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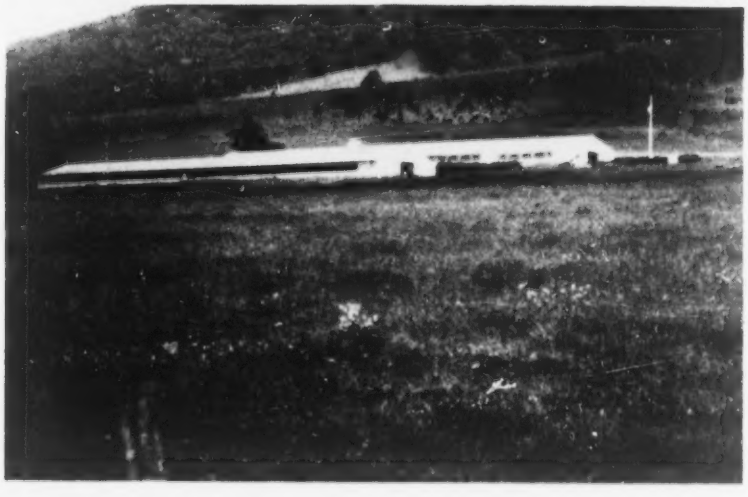
West Virginia Agricultural Statistics

1989



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A Cooperative Function Of
West Virginia Department of Agriculture
Cleve Benedict, Commissioner
and
U.S. Department of Agriculture
National Agricultural Statistics Service
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* * * * * *

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Agriculture in West Virginia is in an era of transition, marked by the beginning of a new decade, yet set upon by conditions that developed in the last years of the old decade.

If you'll remember the 1970's, we saw expanding world markets. Optimism flowed from farmer to banker to farmer. Values for farm land rose even higher, with potentially devastating effects.

Then the 1980's led us into a grain embargo, followed by a long recession. Variable interest rates 'floated' through the roof. Land values dropped in panic proportions. Farmers were left holding debts that nearly cost them (in many sad cases did) the heart and soul of their life's work -- the land.

The 1980's closed with drought, unyielding but at least not man-made. Even in that cloud there was a small silver lining. Commodity prices rose and somewhat higher net incomes resulted, higher than we had seen earlier in the decade.

The 1990's will demand strongly improved management skills. Many farmers are looking for crops that will provide higher returns. Larger farm owners are looking for ways to manage assets better, market crops more efficiently and evaluate every enterprise on a strictly cash flow basis.

What awaits us is a mix of good news and bad news:

- New diseases to contend with but also new insect resistant crops and grains.
- Bloodlines that result in higher birth weights, weaning weight and milk production.
- Imaginative marketing techniques, such as telemarketing and retained ownership of feeder cattle.

Credit management will continue to be critical. Farmers will have to manage ever increasing new equipment costs, and complex depreciation schedules for equipment. They will have to be sensitive to consumer demand; perhaps not as changeable as a March wind, but equally hard to forecast.

This bulletin gathers statistics on acreage, production, the inventory of livestock and poultry, and farm balance sheets. It can play a key role in defining the Department's relationship with the farmer as it tells the story of our recent past. Moreover, this information can be critical to West Virginia legislators as they consider economic development, taxes, land use policy and environmental concerns in relation to shifting public priorities.

New issues before the Legislature, like groundwater quality, soil conservation, the use of chemicals and biotechnology, are creating new recognition of the rural areas' development needs.

New roads for opportunity are opening, the farmer must be ready to respond.

Kind regards,

Cleve Benedict
Commissioner of Agriculture

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General

West Virginia's Rank In The Nation's Agriculture—1988

Crops, Livestock and Livestock Products	Rank Among States	Production	Unit	Value of Production	Leading State
Apples	8	215,000,000	Lbs.	20,330,000	Washington
Peaches	12	20,000,000	Lbs.	3,373,000	California
Tobacco	14	2,945,000	Lbs.	4,148,000	North Carolina
Corn for Grain	39	2,320,000	Bu.	6,148,000	Iowa
Corn for Silage	37	315,000	Tons	-	Wisconsin
Alfalfa	33	161,000	Tons	-	California
Other Hay	28	715,000	Tons	-	Texas
All Hay	36	876,000	Tons	65,700,000	California
Oats for Grain	34	288,000	Bu.	749,000	Iowa
Winter Wheat	42	414,000	Bu.	1,490,000	Kansas
Sheep & Lambs	27	5,600,000	Lbs.	2,914,000	Texas
Wool	29	396,000	Lbs.	360,000	Texas
Hogs & Pigs	37	16,350,000	Lbs.	6,859,000	Iowa
Cattle & Calves	40	83,380,000	Lbs.	61,801,000	Texas
Eggs	42	126,000,000	Eggs	9,954,000	California
Milk & Milk Products	46	301,000,000	Lbs.	38,191,000	Wisconsin

Number of Farms, Land in Farms, and Average Size West Virginia and Nation 1/

Year	West Virginia			United States		
	Number of Farms	Land in Farms	Average Size of Farm	Number of Farms	Land in Farms	Average Size of Farm
	-- Thousand --	-- Thou. Acres --	-- Acres --	--Thousand --	-- Thou. Acres --	-- Acres --
1981	22,200	4,500	203	2,440	1,034,190	424
1982	22,300	4,300	193	2,407	1,027,795	427
1983	22,800	4,000	175	2,379	1,023,425	430
1984	22,000	3,800	173	2,334	1,017,803	436
1985	21,000	3,600	171	2,293	1,012,073	441
1986	21,000	3,700	176	2,250	1,005,333	447
1987	21,000	3,700	176	2,213	998,923	451
1988	21,000	3,700	176	2,197	994,543	453
1988	21,000	3,700	176	2,173	991,473	456

1/ A Farm is an establishment that as of June 1 sold or would normally have sold $1,000 or more of agricultural products during the year.

LAND VALUES: Average Value Per Acre of Farmland and Buildings, Selected By States, 1983-89

State	As of April 1			As of February 1				Percent Change
	1983	1984	1985	1986	1987	1988	1989	1988-89
				Dollars				Percent
Appalachia	1,082	1,090	1,005	983	951	972	1,028	6
West Virginia	688	667	554	537	527	542	569	5
Virginia	1,125	1,114	1,091	1,146	1,111	1,143	1,292	13
North Carolina	1,314	1,380	1,242	1,130	1,096	1,062	1,126	6
Kentucky	1,049	1,007	906	870	791	786	810	3
Tennessee	1,014	1,044	982	992	1,012	1,104	1,126	2

WEST VIRGINIA AGRICULTURAL STATISTICS
RECORD HIGHS AND LOWS

Item	Unit	Record High		Record Low		Year Record Started
		Quantity	Year 1/	Quantity	Year 1/	
ALL CORN						
Harvested for grain	(000) Acres	729	1900	47	1968	1879
Grain yield	Bushels	105.0	1985	12.5	1930	1879
Grain production	(000) Bushels	19,683	1896	2,256	1966	1879
Harvested for silage	(000) Acres	43	1977	1	1910	1909
Silage yield	Tons	17.0	1985	4.5	1930	1919
Silage production	(000) Tons	636	1980	88	1944	1919
Forage	(000) Acres	16	1924	1	1981	1879
ALL HAY						
Harvested	(000) Acres	844	1943	570	1986	1909
Yield	Tons	2.02	1985	.50	1911	1909
Production	(000) Tons	1,230	1985	334	1911	1909
OTHER HAY						
Harvested	(000) Acres	793	1943	480	1986	1919
Yield	Tons	1.80	1985	.63	1930	1919
Production	(000) Tons	955	1924	404	1930	1919
ALFALFA						
Harvested	(000) Acres	140	1956	5	1921	1919
Yield	Tons	3.00	1985	1.05	1930	1919
Production	(000) Tons	330	1985	8	1930	1919
ALL WHEAT						
Harvested	(000) Acres	448	1899	8	1985	1866
Yield	Bushels	45.0	1987	6.0	1885	1866
Production	(000) Bushels	5,535	1897	279	1973	1866
OATS						
Harvested	(000) Acres	188	1921	8	1987	1866
Yield	Bushels	61.0	1985	14.0	1882	1866
Production	(000) Bushels	4,784	1920	400	1987	1866
TOBACCO						
Harvested	(000) Acres	19.0	1910	1.2	1980	1866
Yield	Pounds	2,020	1977	420	1887	1866
Production	(000) Pounds	14,400	1909	1,160	1867	1866
CATTLE						
All Cattle & Calves Jan. 1	(000) Head	628	1944	362	1868	1867
Milk Cows, Jan. 1 2/	(000) Head	262	1935	26	1989	1867
Calves born	(000) Head	286	1955	176	1927	1924
HOGS						
All Hogs, Dec. 1	(000) Head	425	1880	36	1987	1867
All Sows farrowed						
Dec.-May farrowed	(000) Head	32	1943	2.4	1986	1930
June-Nov. farrowed	(000) Head	40	1943	1.6	1985	1930
Total Pigs	(000) Head	497	1943	30	1985	1924
SHEEP						
All Sheep & Lambs, Jan. 1	(000) Head	800	1885	76	1885	1867
Lambs born	(000) Head	558	1933	71	1985	1924
CHICKENS	(000) Head	5,451	1944	670	1986	1924

1/ In case of a tie, the most recent year was used.
2/ Prior to 1970 was cows two years old and older. Since 1970, cows calved.

West Virginia County Rankings
1988 Crop and Livestock Production

County	Hay	Corn	Wheat	Oats	Tobacco	All Cattle	Milk Cows	Hogs	Sheep	Wool	Chickens
Barbour	7	-	-	17	-	15	12	24	23	24	21
Berkeley	12	4	2	3	-	11	5	1	28	21	6
Boone	52	-	-	-	10	53	-	-	-	-	27
Braxton	17	-	-	-	-	26	45	16	15	16	29
Brooke	41	18	-	9	-	43	12	50	37	40	51
Cabell	43	22	11	-	4	40	41	29	46	43	39
Calhoun	42	-	-	-	-	39	41	44	-	-	46
Clay	49	-	-	-	-	44	-	-	45	46	35
Doddridge	33	-	-	-	-	37	39	35	32	34	43
Fayette	38	-	-	19	-	36	25	41	23	35	48
Gilmer	27	-	-	-	-	26	40	38	16	15	21
Grant	20	-	16	14	-	14	24	12	5	5	5
Greenbrier	2	6	8	21	-	1	6	11	7	7	19
Hampshire	5	7	5	4	-	8	26	6	9	9	2
Hancock	45	-	19	15	-	51	-	44	44	47	16
Hardy	8	5	4	5	-	5	9	2	4	3	1
Harrison	6	-	-	-	-	10	15	33	35	32	18
Jackson	12	13	13	24	5	12	21	18	21	17	11
Jefferson	9	1	1	2	-	6	1	4	14	14	27
Kanawha	47	-	-	-	-	47	-	23	41	39	13
Lewis	18	-	-	-	-	16	22	31	9	10	21
Lincoln	49	16	22	-	1	46	34	28	40	44	9
Logan	53	-	-	-	-	52	36	-	-	-	54
Marion	25	-	-	-	-	25	20	29	30	25	33
Marshall	10	20	-	20	-	24	7	21	12	13	30
Mason	16	3	3	7	2	7	2	5	18	19	55
McDowell	-	-	-	-	-	55	-	-	-	-	4
Mercer	31	-	-	23	-	30	45	33	23	27	37
Mineral	24	17	12	13	-	20	11	16	12	12	3
Mingo	54	-	-	-	-	54	-	47	-	-	32
Monongalia	15	-	-	22	-	19	19	26	11	11	12
Monroe	4	2	6	6	6	2	4	9	6	6	17
Morgan	40	15	7	8	-	44	31	20	-	-	33
Nicholas	36	-	-	27	-	29	22	37	18	28	7
Ohio	29	14	18	11	-	37	8	18	36	30	52
Pendleton	3	6	9	9	-	2	16	3	1	1	47
Pleasants	44	-	-	-	-	48	-	36	-	-	53
Pocahontas	14	9	14	11	-	8	29	9	2	2	14
Preston	1	12	17	1	-	4	3	7	8	8	8
Putnam	35	19	20	27	3	33	34	22	38	36	24
Raleigh	39	-	-	27	-	33	36	14	31	30	49
Randolph	21	11	-	17	-	12	10	7	3	4	38
Ritchie	22	-	-	-	-	26	41	32	23	25	40
Roane	23	-	-	-	9	17	45	43	29	22	25
Summers	32	-	15	26	-	22	18	24	32	31	45
Taylor	28	-	-	-	-	21	26	49	42	42	50
Tucker	37	-	-	15	-	33	36	38	17	18	10
Tyler	19	21	21	-	-	30	12	15	23	29	26
Upshur	26	-	-	-	-	22	26	38	32	37	36
Wayne	46	-	-	-	7	42	29	44	46	45	40
Webster	48	-	-	24	-	49	41	48	39	38	30
Wetzel	30	-	-	-	-	40	33	27	21	20	40
Wirt	34	-	-	-	8	30	17	41	43	41	44
Wood	11	10	10	-	10	17	31	13	18	23	19
Wyoming	51	-	-	-	-	50	-	50	46	48	14

West Virginia

Crop Reporting Districts

1988 WEATHER CONDITIONS

Temperatures: Temperatures in West Virginia for 1988 at the 15 reporting stations were generally below normal. The yearly average temperature was a fraction of a degree below normal, ranging from 0.6 of a degree above to 2.9 degrees below normal.

The 1988 winter began with temperatures averaging 3.25 degrees below normal during January. Temperatures throughout the remainder of the winter, however, ranged from near normal to slightly above normal. Spring temperatures averaged below normal statewide the entire season, ranging from 0.7 degrees below normal during May to 1.23 degrees below normal during April. Summer temperatures were recorded at 2.5 degrees above normal during July and 3.6 degrees above normal during August, while September temperatures averaged 1.4 degrees below normal. Fall temperatures across the state were quite variable during 1988. October temperatures averaged 6.6 degrees below normal, while November temperatures averaged 1.7 degrees above normal and December averaged 0.7 degrees below normal.

Precipitation: West Virginia experienced one of the worst droughts in many years during 1988. Precipitation was below normal for the entire state except the eastern panhandle region, where Martinsburg reported yearly rainfall at 0.21 of an inch above normal.

Precipitation during the winter of 1988 was generally below normal. Precipitation ranged from 0.51 of an inch below normal during February to 1.37 inches below normal during March. Precipitation was variable during the spring. May precipitation was near normal statewide, while April and June rainfall averaged 0.86 of an inch and 2.67 inches below normal respectively. Rainfall during July and August was recorded at 0.32 and 0.77 of an inch below normal, while September precipitation averaged 1.02 inches above normal. Precipitation during the fall mirrored fall temperatures in terms of variability. October and December precipitation was recorded at 0.88 of an inch below normal, while November precipitation averaged 1.02 inches above normal.

FREEZE DATES: Last 32° Temperature in Spring and First in Fall, By State Divisions, 1986-1988

Division & Station	1986		1987		1988	
	Last In Spring	First In Fall	Last In Spring	First In Fall	Last In Spring	First In Fall
NORTH CENTRAL & NORTHWESTERN						
Weston	May 5	Oct. 7	May 10	Sept. 27	May 2	Oct. 6
Fairmont	May 4	Oct. 19	May 5	Oct. 4	April 20	Oct. 6
Middlebourne	May 4	Oct. 15	May 1	Oct. 4	May 2	Oct. 6
Parkersburg	May 4	Oct. 19	April 10	Oct. 4	April 20	Oct. 6
N. Cumberland	May 4	Oct. 10	May 6	Oct. 9	April 26	Msg
SOUTHWESTERN & SOUTHERN						
Huntington	May 4	Oct. 19	April 4	Oct. 4	April 25	Oct. 6
Charleston	May 4	Nov. 13	April 5	Oct. 9	April 25	Oct. 9
Logan	May 4	Nov. 13	Msg	Oct. 22	April 21	Oct. 13
Union	May 5	Oct. 7	May 9	Oct. 2	May 26	Oct. 6
Beckley	May 4	Oct. 7	April 10	Oct. 4	April 25	Oct. 5
EAST CENTRAL & NORTHEASTERN						
Buckeye	May 5	Oct. 7	May 9	Oct. 5	May 3	Oct. 6
Elkins	May 10	Oct. 7	May 9	Oct. 2	May 26	Oct. 6
Bayard	May 10	Msg	May 9	Oct. 5	June 10	Oct. 6
Wardensville	May 4	Oct. 17	April 29	Oct. 5	May 1	Oct. 5
Martinsburg	April 12	Oct. 11	April 4	Oct. 9	April 26	Oct. 7

Msg—Indicates available data insufficient to determine date.
Source: National Oceanic Atmospheric Administration, Department of Commerce

MONTHLY AND ANNUAL AVERAGE TEMPERATURES:
By State Divisions and Selected Stations, January-December, 1988

Division & Station	County	January	February	March	April	May	June
				-- Fahrenheit --			
NORTH CENTRAL & NORTHWESTERN							
Weston	Lewis	27.5	32.9	41.6	50.9	60.7	67.8
Fairmont	Marion	28.2	31.5	41.7	51.8	61.7	67.4
Middlebourne	Tyler	28.3	33.2	41.8	51.5	60.4	67.6
Parkersburg	Wood	29.1	32.8	43.0	52.2	62.1	69.5
N. Cumberland	Hancock	25.6	28.3	38.8	48.6	60.5	M
SOUTHWESTERN & SOUTHERN							
Huntington	Cabell	31.2	35.1	46.1	54.3	63.6	71.5
Charleston	Kanawha	31.1	35.2	46.1	54.1	63.2	71.0
Logan	Logan	32.0	36.8	M	54.2	63.9	71.0
Union	Monroe	27.1	34.1	43.5	51.9	58.7	66.3
Beckley	Raleigh	27.8	32.3	44.0	50.7	59.6	66.5
EAST CENTRAL & NORTHEASTERN							
Buckeye	Pocahontas	21.9	28.6	38.8	47.7	56.6	64.1
Elkins	Randolph	23.9	29.5	38.7	48.0	57.2	62.7
Bayard	Grant	23.6	28.5	37.8	47.3	56.8	62.9
Wardensville	Hardy	25.1	32.4	41.1	50.3	61.1	67.2
Martinsburg	Berkeley	27.1	33.8	43.4	51.6	62.9	70.9

Division & Station	July	August	September	October	November	December	Annual Average	Average Departure from Normal
				--- Fahrenheit ---				
NORTH CENTRAL & NORTHWESTERN								
Weston	75.4	75.8	64.2	46.8	43.6	33.1	51.7	-.5
Fairmont	75.5	75.3	62.8	46.9	45.2	34.0	51.8	-.5
Middlebourne	76.1	76.3	64.7	46.3	46.0	33.5	52.1	.1
Parkersburg	77.3	76.4	65.6	48.3	45.8	35.0	53.1	-.5
N. Cumberland	M	M	M	M	M	M	40.4 4/	-2.9 4/
SOUTHWESTERN & SOUTHERN								
Huntington	78.0	77.0	66.9	49.4	46.9	37.4	54.8	-.4
Charleston	78.6	77.4	66.6	49.3	47.0	37.4	54.8	.0
Logan	77.0	M	M	51.1	47.2	37.0	52.2 3/	M
Union	72.1	73.1	63.3	46.7	44.0	33.1	51.2	.3
Beckley	72.7	73.4	63.0	46.1	44.5	34.0	51.1	.1
EAST CENTRAL & NORTHEASTERN								
Buckeye	M	71.1	60.7	43.8	39.3	28.6	45.6 1/	M
Elkins	70.7	71.6	61.4	43.7	41.8	31.5	48.4	-1.0
Bayard	70.4	70.5	58.0	43.5	41.2	30.5	47.6	.6
Wardensville	75.0	74.8	61.9	46.8	43.1	34.1	51.1	-.3
Martinsburg	79.0	76.8	64.4	49.5	45.6	35.4	53.4	.2

M—Missing
1/ Average temperature and departure from normal for 11 months.
2/ Average temperature and departure from normal for 10 months.
3/ Average temperature and departure from normal for 9 months.
4/ Average temperature and departure from normal for 5 months.
SOURCE: National Oceanic Atmospheric Administration, Department of Commerce

MONTHLY AND ANNUAL PRECIPITATION:
By State Divisions and Selected Stations, January-December, 1988

Division & Station	County	January	February	March	April	May	June
		--- Inches ---					
NORTH CENTRAL & NORTHWESTERN							
Weston	Lewis	2.36	2.76	2.92	3.40	1.63	.73
Fairmont	Marion	1.48	3.26	2.56	2.83	2.67	1.77
Middlebourne	Tyler	2.16	3.10	3.97	2.65	2.96	1.31
Parkersburg	Wood	1.55	2.62	3.73	2.64	1.70	.75
N. Cumberland	Hancock	1.20	2.82	2.90	1.96	1.80	-
SOUTHWESTERN & SOUTHERN							
Huntington	Cabell	1.96	2.42	3.01	3.10	2.02	.77
Charleston	Kanawha	1.62	2.50	2.71	2.17	2.59	.94
Logan	Logan	1.49	1.88	-	3.78	3.29	1.18
Union	Monroe	1.34	1.47	1.11	2.91	3.28	1.67
Beckley	Raleigh	2.11	1.79	2.50	2.70	2.98	2.31
EAST CENTRAL & NORTHEASTERN							
Buckeye	Pocahontas	3.40	1.55	1.50	2.72	3.03	.73
Elkins	Randolph	2.81	2.50	2.92	3.14	4.84	1.66
Bayard	Grant	2.77	2.20	2.44	3.88	8.58	1.90
Wardensville	Hardy	1.98	.75	1.32	3.04	5.33	1.26
Martinsburg	Berkeley	2.98	1.58	1.54	2.77	9.15	1.36

Division & Station	July	August	September	October	November	December	Annual Total	Departure from Normal
	--- Inches ---							
NORTH CENTRAL & NORTHWESTERN								
Weston	2.99	4.66	3.54	1.90	4.41	2.56	33.86	-16.53
Fairmont	2.99	4.36	5.12	1.88	4.34	1.29	34.55	- 8.70
Middlebourne	4.34	1.63	4.03	3.15	6.02	2.17	37.49	-5.72
Parkersburg	5.71	4.02	3.90	1.96	4.39	2.55	35.52	-5.15
N. Cumberland	-	-	-	-	-	-	10.68 2/	- 4.65 2/
SOUTHWESTERN & SOUTHERN								
Huntington	6.88	2.69	2.65	1.91	5.52	3.17	36.10	- 4.64
Charleston	3.00	2.86	3.46	1.87	5.02	2.66	31.40	-11.03
Logan	4.23	-	-	2.57	4.05	2.77	25.24 1/	M
Union	3.33	3.34	5.84	1.34	2.42	1.34	29.39	- 6.13
Beckley	4.56	1.90	5.89	2.10	2.55	2.22	33.61	- 8.52
EAST CENTRAL & NORTHEASTERN								
Buckeye	4.39	1.91	4.45	1.90	3.75	1.80	31.13	- 12.68
Elkins	3.60	4.05	7.52	2.03	3.60	2.35	41.02	- 1.83
Bayard	2.12	3.73	4.88	1.91	3.78	2.67	40.86	- 6.96
Wardensville	3.05	4.02	2.48	.61	2.52	1.23	27.59	- 7.12
Martinsburg	2.98	6.02	2.09	.93	2.91	1.39	35.70	.21

M—Missing
1/ Departure from normal for 10 months.
2/ Departure from normal for 5 months.
SOURCE: National Oceanic Atmospheric Administration, Department of Commerce.

1988 FIELD CROP SUMMARY

General: During 1988, all principal crop yields except winter wheat were below average yields of 1987. Dry conditions during the spring and summer adversely affected crop development for corn, hay and tobacco. From April through August, precipitation was below normal, ranging from 0.32 of an inch during July to 2.67 inches during June. Winter wheat, a drier climate crop planted the previous fall and harvested during June, prospered despite below normal precipitation. The wheat was maturing when the precipitation deficit was becoming critical for spring planted crops.

All Hay: All hay production in West Virginia totaled 876,000 tons in 1988, down 12 percent from the previous year. Yield of all hay averaged 1.41 tons per acre, compared to 1.58 tons per acre in 1987. Area harvested of all hay in 1988 was 620,000 acres, down 2 percent from 1987.

Alfalfa and Alfalfa Mixtures: Alfafa hay production totaled 161,000 tons, down 63,000 tons from 1987. The yield averaged 2.30 tons per acre in 1988, compared to 2.80 tons per acre the previous year. Area harvested was 70,000 acres, 12 percent below 1987.

All Other Hay: All other hay production totaled 715,000 tons in 1988, down 7 percent from 1987. Yield per acre of all other hay was 1.30 tons per acre, down from 1.40 tons per acre the previous year. Area harvested was 550,000 acres in 1988, unchanged from 1987.

Corn: West Virginia corn growers planted 85,000 acres of corn in 1988, the same as in 1987. The corn area harvested for grain was 40,000 acres, down from 50,000 acres the previous year. Corn for grain production was estimated at 2,320,000 bushels, down 36 percent from the previous year. Yield was 58 bushels per acre, down 14 bushels per acre from 1987. Corn silage was cut from 37,000 acres, compared to 31,000 acres cut in 1987. The average yield per acre of corn cut for silage was 8.5 tons per acre, down from 11.5 tons per acre the year before.

Winter Wheat: Production of winter wheat was 414,000 bushels, 81,000 bushels below 1987. Yield was a record high 46 bushels per acre, up from 45 bushels per acre the previous year. Winter wheat was seeded on 11,000 acres of which 9,000 acres were harvested, a 2,000-acre decrease from 1987

Oats: West Virginia oat production was estimated at 288,000 bushels, down 28 percent from 1987 production. Oats planted area was 10,000 acres in 1988, down from 13,000 acres planted in 1987. The harvested area was 6,000 acres, a decrease of 2,000 acres from the previous year. The oats yield was 48 bushels per acre, 2 bushels below 1987.

Tobacco (Burley): Burley tobacco production was 2,720,000 pounds, up from 2,592,000 pounds in 1987. Tobacco producers harvested 1,700 acres of burley tobacco, down 6 percent from the previous year. Yield per acre for burley tobacco producers averaged 1,600 pounds, up 11 percent from 1987. Timely rainfall in late August and September increased yields from low 1987 levels.

HAY: Acreage, Yield and Production, By Kinds, 1979-1988

Year	Alfalfa & Alfalfa Mixtures			All Other Hay		
	Acreage	Yield Per Acre	Production	Acreage	Yield Per Acre	Production
	-- (000) Acres --	-- Tons --	-- (000) Tons --	--(000) Acres --	-- Tons --	-- (000) Tons --
1979	85	1.75	149	500	1.20	600
1980	80	2.55	204	515	1.50	773
1981	80	2.45	196	540	1.15	621
1982	90	2.60	234	540	1.20	648
1983	100	2.70	270	540	1.10	594
1984	100	2.80	280	530	1.60	848
1985	110	3.00	330	500	1.80	900
1986	90	2.50	225	480	1.20	576
1987	80	2.80	224	550	1.40	770
1988	70	2.30	161	550	1.30	715

ALL HAY: Acreage, Yield, Production, Value and Stocks, 1979-1988

Year	Production					On Farm Hay Stocks 1/	
	Acreage Harvested	Yield Per Acre	Total	Avg. Price Per Ton	Value of Production	January 1 2/	May 1
	-- (000) Acres --	-- Tons --	-- (000) Tons --	-- Dollars --	-- (000) Dollars --	-- (000) Tons --	
1979	585	1.28	749	50.50	37,825	667	172
1980	595	1.64	977	61.00	59,597	762	156
1981	620	1.32	817	63.00	51,471	637	106
1982	630	1.40	882	64.00	56,448	706	123
1983	640	1.35	864	71.00	61,344	657	190
1984	630	1.79	1,128	70.00	78,960	790	192
1985	610	2.02	1,230	60.00	73,800	800	172
1986	570	1.41	801	55.00	44,055	761	128
1987	630	1.58	994	59.00 3/	58,6463/	895	149
1988	620	1.41	876	75.00	65,700	745	149

1/ Stored the following year.
2/ Survey date changed to December 1, beginning in 1986.
3/ Revised.

PASTURE CONDITION: Percent of Normal, April-November, 1979-1988

Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.
	-- Percent of Normal First of Month --							
1979	78	83	91	92	93	94	93	91
1980	76	84	93	92	89	92	85	77
1981	71	85	88	93	89	74	77	72
1982	78	72	72	84	84	83	75	73
1983	79	76	90	90	78	54	52	62
1984	71	75	86	74	81	87	74	79
1985	85	83	89	90	87	88	64	71
1986	1/	71	76	68	70	64	71	66
1987	1/	83	90	85	69	36	69	70
1988	1/	77	89	45	43	49	65	72

1/ Estimate discontinued.

ALL HAY: Acreage, Yield and Production, By Counties, 1987-1988

County	1987			1988		
	Harvested	Yield Per Acre	Production	Harvested	Yield Per Acre	Production
	-- Acres --		-- Tons --	-- Acres --		-- Tons --
Barbour	20,400	1.4	29,500	20,900	1.4	29,200
Brooke	3,400	1.9	6,300	3,200	1.8	5,700
Doddridge	9,100	1.3	12,200	7,700	1.3	10,100
Hancock	2,250	1.9	4,200	2,000	1.9	3,800
Harrison	26,000	1.8	45,800	21,000	1.5	31,100
Lewis	17,100	1.5	24,800	16,800	1.3	22,100
Marion	11,700	1.6	18,800	11,150	1.5	16,600
Marshall	15,900	1.8	27,900	14,550	1.8	26,900
Monongalia	13,400	1.4	18,900	13,400	1.8	24,300
Ohio	6,900	1.7	11,800	6,100	2.3	13,900
Pleasants	3,300	1.8	5,800	3,200	1.6	5,200
Preston	34,400	1.9	65,900	31,900	2.0	63,400
Ritchie	14,950	1.6	23,200	14,250	1.3	18,100
Taylor	9,500	1.9	18,300	9,500	1.5	14,700
Tyler	12,150	2.0	24,800	11,600	1.7	20,000
Upshur	14,450	1.5	21,700	13,250	1.2	15,700
Wetzel	7,700	1.2	8,900	7,600	1.5	11,600
Wood	16,400	1.5	24,200	14,400	1.8	26,600
NORTHWEST	239,000	1.6	393,000	222,500	1.6	359,000
Boone	250	1.2	300	280	1.4	400
Braxton	14,750	1.4	20,300	14,390	1.6	23,400
Cabell	4,400	1.8	7,900	4,250	1.2	5,200
Calhoun	6,150	1.7	10,400	5,300	1.0	5,500
Clay	2,450	1.6	3,900	2,160	1.0	2,100
Fayette	6,600	1.5	9,900	6,450	1.2	7,600
Gilmer	10,100	1.2	12,200	9,750	1.6	15,400
Jackson	19,600	1.5	28,600	21,700	1.2	26,300
Kanawha	3,000	1.7	5,000	2,990	1.0	3,000
Lincoln	2,100	1.4	3,000	2,100	1.0	2,100
Logan	150	1.3	200	50	2.0	100
McDowell	-	-	-	-	-	-
Mason	20,400	1.6	32,800	19,000	1.3	24,200
Mercer	8,050	1.4	11,500	8,200	1.3	10,500
Mingo	50	2.0	100	50	1.0	50
Nicholas	8,600	1.5	13,100	8,200	1.1	8,900
Putnam	8,200	1.5	12,400	7,400	1.3	9,500
Raleigh	6,900	1.7	11,700	6,450	1.2	7,500
Roane	14,900	1.7	25,900	16,450	1.1	17,800
Wayne	2,950	1.6	4,800	2,650	1.2	3,300
Webster	2,100	1.4	2,900	2,030	1.2	2,500
Wirt	7,600	1.3	10,100	8,350	1.2	9,750
Wyoming	700	1.4	1,000	800	1.1	900
SOUTHWEST	150,000	1.5	228,000	149,000	1.2	186,000
Berkeley	18,200	1.7	31,700	19,300	1.4	26,300
Grant	15,300	1.2	19,100	15,900	1.2	19,200
Greenbrier	30,800	1.6	48,100	31,500	1.3	41,500
Hampshire	22,200	1.4	30,700	25,200	1.3	33,700
Hardy	16,000	1.6	26,100	17,900	1.5	27,600
Jefferson	17,400	2.0	34,400	17,400	1.6	27,400
Mineral	13,700	1.5	20,000	13,400	1.3	16,090
Monroe	26,500	1.5	40,200	24,700	1.4	34,300
Morgan	5,300	1.1	5,700	5,100	1.2	5,900
Pendleton	22,900	1.6	35,800	23,900	1.6	37,100
Pocahontas	18,900	1.5	27,600	19,900	1.2	24,500
Randolph	18,400	1.6	30,200	19,100	1.0	18,400
Summers	8,700	1.5	12,700	9,000	1.1	10,200
Tucker	6,700	1.6	10,700	6,400	1.3	8,000
EAST	241,000	1.5	373,000	248,000	1.3	331,000
STATE	630,000	1.6	994,000	620,000	1.4	876,000

ALFALFA HAY: Acreage, Yield and Production, By Counties, 1987-1988

County	1987			1988		
	Harvested	Yield Per Acre	Production	Harvested	Yield Per Acre	Production
	-- Acres --		-- Tons --	-- Acres --		-- Tons --
Barbour	1,400	2.4	3,300	1,100	1.8	2,000
Brooke	1,400	2.4	3,400	1,400	2.1	3,000
Doddridge	600	2.2	1,300	400	1.5	600
Hancock	750	2.8	2,100	700	2.6	1,800
Harrison	2,200	2.8	6,100	1,700	1.5	2,600
Lewis	1,100	2.5	2,800	700	2.1	1,500
Marion	700	2.1	1,500	650	2.2	1,400
Marshall	3,400	2.8	9,500	2,350	3.0	7,100
Monongalia	1,900	2.8	5,300	1,400	3.0	4,200
Ohio	3,700	1.9	7,100	3,400	2.9	9,900
Pleasants	400	2.5	1,000	300	2.7	800
Preston	6,400	3.4	21,900	5,500	2.5	13,600
Ritchie	750	3.1	2,300	750	1.5	1,100
Taylor	800	2.6	2,100	800	1.6	1,300
Tyler	750	3.2	2,400	700	2.1	1,500
Upshur	650	2.2	1,400	650	1.4	900
Wetzel	900	2.4	2,200	800	2.1	1,700
Wood	1,200	2.8	3,300	1,200	3.3	4,000
NORTHWEST	29,000	2.7	79,000	24,500	2.4	59,000
Boone	50	2.0	100	80	1.9	150
Braxton	650	2.5	1,600	690	1.6	1,100
Cabell	600	3.2	1,900	450	2.0	900
Calhoun	450	2.0	900	300	1.7	500
Clay	250	2.4	600	600	1.3	200
Fayette	900	2.6	2,300	750	1.6	1,200
Gilmer	600	2.0	1,200	450	1.6	700
Jackson	1,700	2.0	3,400	1,200	2.0	2,400
Kanawha	200	2.0	400	190	1.6	300
Lincoln	200	2.5	500	200	2.0	400
Logan	50	2.0	100	50	2.0	100
McDowell	0	0.0	0	0	0.0	0
Mason	2,900	3.2	9,400	2,500	1.7	4,300
Mercer	950	2.8	2,700	600	1.8	1,100
Mingo	0	0.0	0	0	0.0	0
Nicholas	1,000	2.4	2,400	900	1.8	1,600
Putnam	600	2.8	1,700	600	1.5	900
Raleigh	1,100	2.4	2,600	950	1.9	1,800
Roane	1,400	2.5	3,500	950	1.5	1,400
Wayne	450	2.4	1,100	350	2.3	800
Webster	200	2.0	400	130	1.5	200
Wirt	700	3.0	2,100	450	1.9	850
Wyoming	50	2.0	100	50	2.0	100
SOUTHWEST	15,000	2.6	39,000	12,000	1.8	21,000
Berkeley	4,300	3.4	14,800	4,100	2.9	11,700
Grant	1,500	2.3	3,400	1,400	1.9	2,700
Greenbrier	4,400	3.2	13,900	4,200	2.5	10,600
Hampshire	1,700	2.4	4,100	1,700	2.4	4,000
Hardy	1,500	3.3	4,900	1,200	2.9	3,500
Jefferson	4,700	3.6	16,900	4,600	2.5	11,500
Mineral	2,400	3.4	8,100	2,000	1.9	3,800
Monroe	4,800	2.5	12,000	4,700	2.2	10,300
Morgan	300	2.7	800	300	2.3	700
Pendleton	3,400	2.6	8,900	3,300	2.8	9,200
Pocahontas	2,800	2.4	6,700	2,500	2.1	5,300
Randolph	1,800	2.6	4,600	1,500	2.3	3,500
Summers	1,200	3.5	4,200	1,000	1.9	1,900
Tucker	1,200	2.3	2,700	1,000	2.3	2,300
EAST	36,000	2.9	106,000	33,500	2.4	81,000
STATE	80,000	2.8	224,000	70,000	2.3	161,000

OTHER HAY: Acreage, Yield and Production, By Counties, 1987-1988

County	1987			1988		
	Harvested	Yield Per Acre	Production	Harvested	Yield Per Acre	Production
	-- Acres --		-- Tons --	-- Acres --		-- Tons --
Barbour	19,000	1.4	26,200	19,800	1.4	27,200
Brooke	2,000	1.5	2,900	1,800	1.5	2,700
Doddridge	8,500	1.3	10,900	7,300	1.3	9,500
Hancock	1,500	1.4	2,100	1,300	1.5	2,000
Harrison	23,800	1.7	39,700	19,300	1.5	28,500
Lewis	16,000	1.4	22,000	16,100	1.3	20,600
Marion	11,000	1.6	17,300	10,500	1.4	15,200
Marshall	12,500	1.5	18,400	12,200	1.6	19,800
Monongalia	11,500	1.2	13,600	12,000	1.7	20,100
Ohio	3,200	1.5	4,700	2,700	1.5	4,000
Pleasants	2,900	1.7	4,800	2,900	1.5	4,400
Preston	28,000	1.6	44,000	26,400	1.9	49,800
Ritchie	14,200	1.5	20,900	13,500	1.3	17,000
Taylor	8,700	1.9	16,200	8,700	1.5	13,400
Tyler	11,400	2.0	22,400	10,900	1.7	18,500
Upshur	13,800	1.5	20,300	12,600	1.2	14,800
Wetzel	6,800	1.0	6,700	6,800	1.5	9,900
Wood	15,200	1.4	20,900	13,200	1.7	22,600
NORTHWEST	210,000	1.5	314,000	198,000	1.5	300,000
Boone	200	1.0	200	200	1.3	250
Braxton	14,100	1.3	18,700	13,700	1.6	22,300
Cabell	3,800	1.6	6,000	3,800	1.1	4,300
Calhoun	5,700	1.7	9,500	5,000	1.0	5,000
Clay	2,200	1.5	3,300	2,000	1.0	1,900
Fayette	5,700	1.3	7,600	5,700	1.1	6,400
Gilmer	9,500	1.2	11,000	9,300	1.6	14,700
Jackson	17,900	1.4	25,200	20,500	1.2	23,900
Kanawha	2,800	1.6	4,600	2,800	1.0	2,700
Lincoln	1,900	1.3	2,500	1,900	0.9	1,700
Logan	100	1.0	100	0	0.0	0
McDowell	0	0.0	0	0	0.0	0
Mason	17,500	1.3	23,400	16,500	1.2	19,900
Mercer	7,100	1.2	8,800	7,600	1.2	9,400
Mingo	50	2.0	100	50	1.0	50
Nicholas	7,600	1.4	10,700	7,300	1.0	7,300
Putnam	7,600	1.4	10,700	6,800	1.3	8,600
Raleigh	5,800	1.6	9,100	5,500	1.0	5,700
Roane	13,500	1.7	22,400	15,500	1.1	16,400
Wayne	2,500	1.5	3,700	2,300	1.1	2,500
Webster	1,900	1.3	2,500	1,900	1.2	2,300
Wirt	6,900	1.2	8,000	7,900	1.1	8,900
Wyoming	650	1.4	900	750	1.1	800
SOUTHWEST	135,000	1.4	189,500	137,000	1.2	165,000
Berkeley	13,900	1.2	16,900	15,200	1.0	14,600
Grant	13,800	1.1	15,700	14,500	1.1	16,500
Greenbrier	26,400	1.3	34,200	27,300	1.1	30,900
Hampshire	20,500	1.3	26,600	23,300	1.3	29,700
Hardy	14,500	1.5	21,200	16,700	1.4	24,100
Jefferson	12,700	1.4	17,500	12,800	1.2	15,900
Mineral	11,300	1.1	11,900	11,400	1.1	13,100
Monroe	21,700	1.3	28,200	20,000	1.2	24,000
Morgan	5,000	1.0	4,900	4,800	1.1	5,200
Pendleton	19,500	1.4	26,900	20,600	1.4	27,900
Pocahontas	16,100	1.3	20,900	17,400	1.1	19,200
Randolph	16,600	1.5	25,600	17,600	0.8	14,900
Summers	7,500	1.1	8,500	8,000	1.0	8,300
Tucker	5,500	1.5	8,000	5,400	1.1	5,700
EAST	205,000	1.3	267,000	215,000	1.2	250,000
STATE	550,000	1.4	770,000	550,000	1.3	715,000

CORN FOR GRAIN: Acreage, Yield, Production and Value, 1979-1988

Year	Planted All Purposes	Harvested Acres	Yield Per Acre	Production	Price Per Bushel	Value of Production
	-- (000) --		-- Bu. --	-- (000) Bu. --	-- Dollars --	-- (000) Dollars --
1979	98	59	89.0	5,251	2.54	13,338
1980	108	64	89.0	5,696	3.30	17,035
1981	125	84	92.0	7,728	2.64	16,516
1982	120	80	98.0	7,840	2.62	20,541
1983	103	60	78.0	4,680	3.31	15,491
1984	115	81	100.0	8,100	2.71	21,951
1985	110	73	105.0	7,665	2.23	17,093
1986	95	70	90.0	6,300	1.50	9,450
1987	85	50	72.0	3,600	1.96	7,056
1988 1/	85	40	58.0	2,320	2.65	6,148

1/ Preliminary, 1988.

CORN FOR GRAIN: Acreage, Yield and Production by Counties, 1987-1988

County	1987				1988			
	Planted All Purposes	Harvested For Grain	Yield Per Acre	Production	Planted All Purposes	Harvested For Grain	Yield Per Acre	Production
	- Acres -		- Bushels -		- Acres -		- Bushels -	
Brooke	800	500	92.0	46,000	700	400	53.0	21,200
Lewis	-	-	-	-	-	-	-	-
Marshall	1,000	600	87.0	52,200	1,200	400	45.0	18,000
Monongalia	400	250	93.0	23,300	-	-	-	-
Ohio	750	400	83.5	33,400	1,200	600	51.0	30,700
Pleasants	-	-	-	-	-	-	-	-
Preston	4,500	1,650	91.0	150,000	5,100	750	50.5	38,000
Tyler	600	400	87.5	35,000	600	350	50.0	17,500
Wood	1,550	1,150	76.0	87,400	1,400	900	49.0	44,100
Other 1/	2,900	1,450	82.5	119,700	3,800	1,500	50.5	75,500
NORTHWEST	12,500	6,400	85.5	547,000	14,000	4,900	50.0	245,000
Cabell	700	550	70.5	38,800	450	300	53.5	16,000
Gilmer	500	400	75.0	30,000	-	-	-	-
Jackson	750	550	79.0	43,500	1,100	700	51.5	35,900
Lincoln	550	400	73.5	29,300	650	450	52.0	23,400
Mason	7,600	4,400	72.5	319,000	9,500	5,200	52.5	274,000
Nicholas	400	250	72.0	18,000	-	-	-	-
Putnam	800	650	75.0	48,700	700	400	52.5	20,900
Wayne	-	-	-	-	-	-	-	-
Other 1/	2,700	1,400	70.0	97,700	3,100	1,550	51.5	79,800
SOUTHWEST	14,000	8,600	72.5	625,000	15,500	8,600	52.5	450,000
Berkeley	8,500	5,600	62.5	349,000	7,100	3,900	56.5	220,000
Grant	1,750	850	71.5	60,600	-	-	-	-
Greenbrier	4,000	1,600	78.0	125,000	4,300	1,350	75.0	101,000
Hampshire	3,300	1,600	80.0	128,000	3,050	1,350	61.0	82,300
Hardy	7,500	3,250	78.0	253,000	7,600	2,200	78.0	172,000
Jefferson	19,000	14,000	67.0	935,000	16,000	10,500	48.5	510,000
Mineral	1,300	500	71.0	35,600	1,400	300	75.0	22,500
Monroe	4,600	3,400	70.0	238,000	7,000	3,650	83.0	303,000
Morgan	1,200	650	63.5	41,200	900	450	54.0	24,300
Pendleton	3,600	1,500	68.0	102,000	2,850	800	68.0	54,300
Pocahontas	1,600	750	72.0	54,000	2,000	700	70.5	49,300
Randolph	900	600	83.0	49,800	1,400	700	63.0	44,000
Summers	650	300	72.0	21,600	-	-	-	-
Tucker	600	400	88.0	35,200	-	-	-	-
Other 1/	-	-	-	-	1,900	600	70.5	42,300
EAST	58,500	35,000	69.5	2,428,000	55,500	26,500	61.5	1,625,000
STATE	85,000	50,000	72.0	3,600,000	85,000	40,000	58.0	2,320,000

1/ Counties equal to or less than 250 acres of corn harvested for grain.

CORN FOR SILAGE AND FORAGE: Acreage, Yield and Production, 1979-1988

Year	Planted All Purposes	Silage			Forage Acres
		Harvested Acres	Yield Per Acre	Production	
	-- (000) --		-- Tons --	-- (000) Tons --	-- (000) --
1979	98	35	15.0	525	2
1980	108	41	15.5	636	1
1981	125	39	15.5	605	1
1982	120	37	16.5	611	2
1983	103	40	13.5	540	2
1984	115	31	17.0	527	2
1985	110	31	17.0	527	2
1986	95	22	14.0	308	3
1987	85	31	11.5	357	1/
1988	85	37	8.5	315	1/

1/ Discontinued.

CORN FOR SILAGE: Acreage, Yield and Production by Counties, 1987-1988

County	1987				1988			
	Planted All Purposes	Harvested For Silage	Yield Per Acre	Production	Planted All Purposes	Harvested For Silage	Yield Per Acre	Production
	-- Acres --		-- Tons --		---------- Acres ----------			-- Tons --
Brooke	800	280	16.0	4,500	700	230	9.5	2,200
Lewis	-	-	-	-	-	-	-	-
Marshall	1,000	390	13.5	5,200	1,200	560	9.0	4,900
Monongalia	400	150	13.5	2,000	-	-	-	-
Ohio	750	330	12.5	4,200	1,200	510	8.5	4,300
Pleasants	-	-	-	-	-	-	-	-
Preston	4,500	2,750	13.9	36,600	5,100	4,000	9.0	36,000
Tyler	600	180	14.0	2,500	600	190	9.0	1,700
Wood	1,550	380	13.0	4,900	1,400	400	9.0	3,600
Other 1/	2,900	1,390	14.5	20,100	3,800	1,910	9.0	17,300
NORTHWEST	12,500	5,850 2/	13.5	80,000	14,000	7,800	9.0	70,000
Cabell	700	140	10.5	1,500	450	60	8.5	500
Gilmer	500	80	11.5	900	-	-	-	-
Jackson	750	180	11.5	2,100	1,100	310	8.0	2,500
Lincoln	550	130	10.0	1,300	650	120	7.5	900
Mason	7,600	2,950	10.5	31,400	9,500	3,600	9.5	34,400
Nicholas	400	140	13.0	1,800	-	-	-	-
Putnam	800	120	11.5	1,400	700	190	9.5	1,800
Wayne	-	-	-	-	-	-	-	-
Other 1/	2,700 2/	1,210 2/	11.2 2/	13,600	3,100	1,220	8.0	9,900
SOUTHWEST	14,000	4,950	11.0	54,000	15,500	5,500	9.0	50,000
Berkeley	8,500	2,450	10.0	24,000	7,100	2,600	8.0	20,900
Grant	1,750	800	10.0	8,000	-	-	-	-
Greenbrier	4,000	2,000	12.5	25,000	4,300	2,700	7.0	19,400
Hampshire	3,300	1,620	11.5	18,700	3,050	1,400	8.0	11,100
Hardy	7,500	3,800	11.0	43,000	7,600	4,650	10.0	47,500
Jefferson	19,000	4,000	11.5	45,000	16,000	3,900	6.5	26,000
Mineral	1,300	700	10.0	7,000	1,400	850	8.0	7,000
Monroe	4,600	950	11.5	11,000	7,000	2,800	7.5	21,000
Morgan	1,200	480	10.0	4,800	900	360	8.5	3,100
Pendleton	3,600	1,900	10.0	19,000	2,850	1,750	8.0	14,000
Pocahontas	1,600	760	12.0	9,100	2,000	1,100	11.5	12,700
Randolph	900	260	12.5	3,300	1,400	500	9.0	4,500
Summers	650	310	12.5	3,900	-	-	-	-
Tucker	600	170	13.9	2,200	-	-	-	-
Other 1/	-	-	-	-	1,900	1,090	7.0	7,800
EAST	58,500	20,200	11.0	223,000	55,500	23,700	8.0	195,000
STATE	85,000	31,000	11.5	357,000	85,000	37,000	8.5	315,000

1/ Counties equal to or less than 250 acres of corn harvested for grain.
2/ Revised.

OATS: Acreage, Yield, Production and Value, 1979-1988

Year	Acreage		Yield	Production and Value		
	Planted	Harvested For Grain	Per Acre	Production	Avg. Price Per Bushel	Value
	-- (000) Acres --		-- Bu. --	-- (000) Bu. --	-- Dollars --	-- (000) Dollars --
1979	16	11	51.0	561	1.35	826
1980	13	10	49.0	490	1.70	916
1981	14	11	52.0	572	1.90	1,174
1982	16	10	51.0	510	1.50	765
1983	14	9	52.0	468	1.65	772
1984	11	8	51.0	408	1.75	714
1985	14	8	61.0	488	1.20	586
1986	17	10	50.0	500	1.00	500
1987	13	8	50.0	400	1.45	580
1988	10	6	48.0	288	2.60	749

OATS: Acreage, Yield and Production, By Counties, 1987-1988

County	1987				1988			
	Planted	Harvested for Grain	Yield Per Harvested Acre	Production	Planted	Harvested for Grain	Yield Per Harvested Acre	Production
	-- Acres --		-- Bushels --		-- Acres --		-- Bushels --	
Barbour	230	130	50.0	6,500	150	90	24.0	3,600
Brooke	300	170	50.0	8,500	250	160	27.2	6,800
Hancock	190	120	51.5	6,200	190	120	26.8	5,100
Marshall	150	90	50.0	4,500	120	80	27.5	3,300
Monongalia	80	50	50.5	2,500	100	70	28.0	2,800
Ohio	300	180	50.0	9,000	250	160	26.8	6,700
Preston	2,700	1,800	52.5	94,800	1,900	1,350	31.0	58,900
Wood	80	50	50.5	2,500	-	-	-	-
Other 1/	170	110	50.0	5,500	140	70	20.0	2,800
NORTHWEST	4,200	2,700	52.0	140,000	3,100	2,100	29.0	90,000
Fayette	150	80	40.0	3,200	90	70	37.8	3,400
Jackson	-	-	-	-	120	40	13.3	1,600
Mason	550	230	52.0	12,000	400	220	27.0	10,800
Mercer	60	40	45.0	1,800	110	50	21.8	2,400
Nicholas	120	70	50.0	3,500	60	30	20.0	1,200
Putnam	140	70	50.0	3,500	140	30	8.6	1,200
Raleigh	-	-	-	-	60	30	20.0	1,200
Webster	-	-	-	-	100	40	16.0	1,600
Other 1/	180	110	45.5	5,000	120	40	13.3	1,600
SOUTHWEST	1,200	600	48.5	29,000	1,200	550	20.8	25,000
Berkeley	1,300	810	50.5	41,000	900	620	37.3	33,600
Grant	150	90	50.0	4,500	200	120	30.0	6,000
Greenbrier	300	190	50.0	9,500	220	60	13.6	3,000
Hampshire	1,000	620	48.5	30,000	700	450	32.1	22,500
Hardy	700	430	51.0	22,000	600	370	31.5	18,900
Jefferson	1,300	810	49.5	40,000	950	700	38.4	36,500
Mineral	250	150	46.5	7,000	200	120	30.5	6,100
Monroe	700	430	49.0	21,000	500	310	31.0	15,500
Morgan	350	220	47.5	10,500	220	140	32.7	7,200
Pendleton	300	190	50.0	9,500	210	130	32.4	6,800
Pocahontas	700	430	49.0	21,000	500	130	13.4	6,700
Randolph	250	150	46.0	6,900	190	70	18.9	3,600
Summers	120	70	44.5	3,100	150	30	10.0	1,500
Tucker	180	110	45.5	5,000	160	100	31.9	5,100
EAST	7,600	4,700	49.0	231,000	5,700	3,350	30.4	173,000
STATE	13,000	8,000	50.0	400,000	10,000	6,000	28.8	288,000

1/ Counties with less than 50 acres planted not shown separately.

WHEAT: Acreage, Production and Value, 1979-1988

Year	Acreage		Yield Per Acre	Production and Value		
	Planted	Harvested For Grain		Production	Avg. Price Per Bushel	Value
	-- (000) Acres --		-- Bu. --	-- (000) Bu. --	-- Dollars --	-- (000) Dollars --
1979	12	10	34.0	340	4.00	1,360
1980	12	10	38.0	380	4.00	1,368
1981	11	9	36.0	324	3.65	1,314
1982	11	9	35.0	315	3.35	1,055
1983	11	9	42.0	378	3.45	1,304
1984	12	10	40.0	400	3.35	1,340
1985	10	8	43.0	344	2.95	1,015
1986	11	9	44.0	396	2.40	950
1987	13	11	45.0	495	2.50	1,238
1988	11	9	46.0	414	3.60	1,490

WHEAT: Acreage, Yield and Production, By Counties, 1987-1988

County	1987				1988			
	Planted	Harvested for Grain	Yield Per Harvested Acre	Production	Planted	Harvested for Grain	Yield Per Harvested Acre	Production
	-- Acres --		-- Bushels --		-- Acres --		-- Bushels --	
Barbour	70	40	45.0	1,800	-	-	-	-
Brooke	50	40	45.0	1,800	-	-	-	-
Hancock	100	80	45.0	3,600	90	50	40.0	2,000
Lewis	60	50	46.0	300	-	-	-	-
Ohio	60	40	45.0	1,800	70	60	36.5	2,200
Preston	120	100	45.0	4,500	140	90	36.5	3,300
Tyler	-	-	-	-	60	30	36.5	1,100
Wood	350	250	48.0	12,000	350	240	46.5	11,200
Other 1/	190	100	46.0	4,600	190	130	40.0	5,200
NORTHWEST	1,000	700	46.5	32,400	900	600	41.5	25,000
Cabell	320	200	45.0	9,000	250	180	39.0	7,000
Jackson	250	150	44.5	6,700	170	130	39.0	5,100
Lincoln	-	-	-	-	70	10	40.0	400
Mason	950	700	47.0	32,900	950	800	39.5	31,500
Nicholas	50	40	40.0	1,600	-	-	-	-
Putnam	50	30	40.0	1,200	70	50	36.0	1,800
Other 1/	180	80	40.0	3,200	190	130	40.0	5,200
SOUTHWEST	1,800	1,200	45.5	34,600	1,700	1,300	39.0	51,000
Berkeley	1,600	1,350	44.5	60,400	1,500	1,300	50.0	65,000
Grant	230	220	45.0	9,900	90	80	50.0	4,000
Greenbrier	450	400	45.0	18,000	400	350	50.0	17,500
Hampshire	650	600	45.0	27,000	650	550	51.0	28,000
Hardy	1,200	1,000	45.0	45,000	800	650	44.0	28,600
Jefferson	3,500	3,300	45.0	148,500	3,000	2,550	46.0	117,800
Mineral	210	180	43.0	7,700	160	140	42.0	5,900
Monroe	750	630	45.0	28,400	450	400	60.0	23,900
Morgan	800	750	44.5	33,300	700	550	42.0	23,000
Pendleton	500	410	45.0	18,500	350	300	45.0	13,500
Pocahontas	150	130	45.5	5,900	150	110	42.0	4,600
Summers	110	90	40.0	3,600	100	80	55.0	4,400
Other 1/	50	40	45.0	1,800	50	40	45.0	1,800
EAST	10,200	9,100	45.0	408,000	8,400	7,100	47.5	388,000
STATE	13,000	11,000	45.0	495,000	11,000	9,000	46.0	414,000

1/ Counties with less than 50 acres planted not shown separately.

TOBACCO: Acreage, Production and Value, 1979-1988

Year	Acres Harvested	Production		Avg. Price Per Pound	Value of Production
		Per Acre	Total		
	-- Acres --	-- Lbs. --	-- (000) Lbs. --	-- Cents --	-- (000) Dollars --
1979	1,300	1,275	1,658	142.0	2,354
1980	1,200	1,500	1,800	165.5	2,979
1981	1,500	1,620	2,430	178.0	4,325
1982	2,000	1,795	3,590	176.0	6,320
1983	2,200	1,710	3,762	176.0	6,621
1984	2,400	1,870	4,488	180.0	8,078
1985	1,800	1,880	3,384	155.5	5,262
1986	1,600	1,650	2,640	154.4	4,076
1987	1,800	1,440	2,592	146.5	3,797
1988	1,700	1,600	2,720	152.5	4,148

TOBACCO: Acreage, Yield and Production, By Counties, 1987-1988

County	1987			1988		
	Acres Harvested	Yield Per Acre	Production	Acres Harvested	Yield Per Acre	Production
	-- Acres --	-- Pounds --		-- Acres --	-- Pounds --	
Wood	12	1,300	15,600	13	1,540	20,000
Boone	15	1,400	28,000	15	1,330	20,000
Cabell	250	1,400	406,000	275	1,700	467,000
Jackson	75	1,465	124,500	75	1,510	113,000
Lincoln	420	1,490	729,000	500	1,560	782,000
Mason	370	1,445	578,000	370	1,710	632,300
Putnam	360	1,410	550,000	340	1,540	522,500
Roane	14	1,520	21,300	16	1,630	26,000
Wayne	20	1,480	37,000	22	1,500	33,000
Wirt	25	1,310	32,700	24	1,200	28,700
Monroe	30	1,425	42,800	35	1,640	57,500
Other 1/	19	1,425	27,100	15	1,200	18,000
State	1,600	1,440	2,592,000	1,700	1,600	2,720,000

1/ Counties having less than 10 acres.

FARM MARKETINGS OF FIELD CROPS: Percent of Sales, By Months, United States, 1987-1988 1/

Month	Corn	Oats	Wheat	Hay	Soybeans	Barley
			--- Percent ---			
April	-	-	-	.6	-	-
May	-	-	-	5.5	-	-
June	-	7.2	15.0	10.3	-	9.5
July	-	22.7	15.9	10.9	-	8.9
August	-	14.1	12.6	9.1	-	14.4
September	8.5	9.2	7.9	8.0	12.4	8.9
October	12.7	4.8	6.5	8.8	23.3	7.5
November	7.5	6.7	4.9	7.4	10.0	7.2
December	4.9	6.0	8.0	7.5	5.9	8.4
January	11.1	6.6	8.4	7.9	13.0	7.7
February	8.0	6.1	4.9	7.6	6.5	6.0
March	8.5	6.8	4.4	8.2	6.8	8.7
April	6.0	3.9	4.4	5.8	5.0	5.3
May	6.9	5.9	7.1	2.4	5.4	7.5
June	10.2	-	-	-	4.9	-
July	8.5	-	-	-	3.8	-
August	7.2	-	-	-	3.0	-
September	-	-	-	-	-	-
Year	100.0	100.0	100.0	100.0	100.0	100.0

1/ Final Estimates.

The marketing year for corn and soybeans is September through August, for oats, wheat and barley - June through May; and for hay - April through May.

1988 FRUIT SUMMARY

General: Total fruit production for the 1988 crop year totaled 235 million pounds, 19 percent more than the drought reduced crops of 1987. The 1988 crop year was also affected by drought, however, timely late season rains benefited fruit sizing. Both the apple and peach crops were rated in fair to good condition throughout the growing season.

Apples: The 1988 apple crop of 215 million pounds (5,119,048 42 lb. equivalents) was up 19 percent from the 1987 production figure of 180 million pounds. The utilization breakdown for the 1988 apple crop consisted of 65 million pounds of fresh market sales or 30 percent of production, up from the 53 million pounds of fresh market sales for the 1987 crop. The remaining 150 million pounds were used in processing, with 94.2 million pounds canned, 39.3 million pounds for juice and cider, 13.9 million pounds frozen, and 2.6 million pounds for other uses.

The price received for 1988 commercial apples was 9.5 cents per pound, up from 7.5 cents per pound in 1987. Total value of production was $20.3 million for the 1988 crop. Fresh market apples brought 14.2 cents a pound, up from 11.7 cents the previous year. Processed apples sold for $148 per ton, up from $116 per ton in 1987. Many hail damaged apples were diverted to processing.

Peaches: The 1988 peach crop of 20 million pounds (416,667 48 lb. equivalents) was up 18 percent from the 1987 crop of 17 million pounds. Widely scattered early season hail and dry conditions were reported, while timely late season rains helped sizing. There were 18.5 million pounds of fresh market sales or 93 percent of production, up from 15.5 million pounds of fresh market in 1987. The remaining 1.5 million pounds were used in processing, unchanged form the previous year.

The price per pound in 1988 was 16.9 cents, which resulted in a total utilized production value of $3.37 million This was an increase of 48 percent from the 1987 value of $2.28 million Fresh market peaches brought 17.7 cents per pound, up 14.0 cents per pound last year. Processed peaches brought $129 a ton, down from $148 a ton in 1987.

COMMERCIAL APPLES: Production and Value, 1979-1988

Year	Production			Price Per Pound	Value of Production
	Total	Not Utilized	Having Value		
	--- Million Pounds ---			-- Cents --	-- (000) Dollars --
1979	260.0	-	260.0	8.20	21,320
1980	245.0	-	245.0	7.80	19,176
1981	200.0	-	200.0	11.50	22,925
1982	240.0	-	240.0	9.40	22,597
1983	220.0	4	216.0	7.70	16,671
1984	225.0	-	225.0	10.60	23,778
1985	230.0	-	230.0	9.80	22,532
1986	230.0	-	230.0	10.60	24,410
1987	180.0	-	180.0	7.50	13,567 1/
1988	215.0	-	215.0	69.50	20,330

1/ Revised.

COMMERCIAL APPLES: Utilization, 1979-1988

Year	Utilization of Sales				
	Fresh Market	Canned	Frozen	Processed Juice & Cider	Other
	-- Million Pounds --				
1979	88.4	101.5	10.7	56.7	2.7
1980	88.6	84.1	13.5	56.2	2.6
1981	97.4	47.2	17.5	35.0	2.9
1982	87.2	94.7	16.4	41.2	.5
1983	57.9	103.4	11.7	40.5	2.5
1984	84.9	89.4	13.0	36.7	1.0
1985	99.5	58.6	13.2	58.2	.5
1986	87.7	75.3	34.2	32.7	.1
1987	53.0	75.5	15.4	34.3	1.8
1988	65.0	94.2	13.9	39.3	2.6

PEACHES: Production and Value, 1979-1988

Year	Production		Having Value	Price Per Pound	Value of Production
	Total	Not Utilized			
	--- Million Pounds ---			-- Cents --	-- (000) Dollars --
1979	24.0	-	24.0	16.8	4,032
1980	22.0	-	22.0	13.2	2,904
1981	20.0	-	20.0	15.3	3,060
1982	17.0	-	17.0	23.3	3,961
1983	19.0	-	19.0	13.8	2,626
1984	17.0	-	17.0	17.1	2,901
1985 1/	-	-	-	-	-
1986	23.0	-	23.0	14.5	3,338
1987	17.0	-	17.0	13.4	2,281
1988	20.0	-	20.0	16.9	3,373

1/ No significant commercial production due to frost.

1988 LIVESTOCK & DAIRY SUMMARY

General: The livestock numbers in this bulletin were derived from the various surveys conducted during the year by West Virginia Agricultural Statistics. The quarterly Agricultural Surveys (January, June, September and December) continue to be the primary sources for estimating inventory and production numbers of livestock grown in West Virginia. Any county level breakdown of livestock production shown in the publication were compiled from other surveys conducted during the year.

Cattle: All cattle inventory as of January 1, 1989, was 500,000 head, up 2 percent from the number at the beginning of 1988. The inventory value for cattle was estimated at $247.5 million, up 15 percent from a year ago. The 1988 calf crop was 240,000, unchanged from 1987. All cows at 271,000 head, were down 8,000 head from a year ago. Cattle and calf meat production for 1988 totaled 83.4 million pounds liveweight, with 76.5 million pounds marketed; a decrease of 20 percent from 1987. The average price per hundredweight was $64.00 for cattle and $81.50 for calves, compared to $57.50 and $68.70 respectively in 1987. The higher prices for cattle and calves increased the value of production to $61.8 million, 31 percent above 1987.

Sheep and Lambs: Sheep and lamb inventory on January 1, 1989, was estimated at 82,000 head, down from 91,000 head the previous year. The inventory value, at $6.6 million, was 3 percent below a year ago. The 1988 lamb crop totaled 72,000 head, down 5,000 head from last year. Sheep and lamb production for 1988 totaled 5.6 million pounds, down slightly from a year ago. The average price per hundredweight was $19.80 for sheep and $63.40 for lambs, compared to $23.70 and $74.10 respectively in 1987. As a result of lower prices the value of production totaled $2.91 million, a 15 percent drop from the previous year. The gross income, including home consumption, totaled $3.28 million, down from $3.33 million estimated in 1987. Sheep shorn in 1988 totaled 66,000 head, down 11,000 head from 1987. The average fleece weight was 6.0 pounds, giving a production of 396,000 pounds. The average price per pound was 91 cents, up 29 cents from a year ago. Because of the higher price, value of production calculated to $360,000, 30 percent above 1987.

Hogs and Pigs: Hog and pig inventory as of December 1, 1988, totaled 37,000 head, 1,000 head more than 1987. The inventory value was estimated at $3.02 million, down 5 percent from 1987. The pig crop totaled 46,000 head, up 7,000 from a year ago. Hog and pig meat production for 1988 was 16.4 million pounds, with 13.5 million pounds marketed. Although meat production was up by 200,000 pounds from the previous year, the pounds marketed decreased 800,000 pounds. The average price per hundredweight was $42.00, down from the $52.50 in 1987. The value of production was $6.9 million, down 19 percent from last year. The gross income, including home consumption, totaled $7.0 million, down 20 percent from the previous year.

Milk: The average number of dairy cows in West Virginia during 1988 was 31,000 head, 3 percent below 1987. The total milk produced was 301 million pounds, a 14 percent drop from the previous year. The milk used on farm totaled 9 million pounds, the same as in 1987. There were 292 million pounds marketed, 48 million below last year. Cash receipts from the milk marketed totaled $37.0 million, down from $43.9 million in 1987. The gross value of all milk produced, including home consumption, totaled $38.2 milion.

CATTLE AND CALVES: Number on Farms and Value, January 1, 1980-1989

Year	All Cattle and Calves	Cows		Heifers 500 Lbs. and Over			Steers 500 Lbs. & Over	Bulls 500 Lbs. & Over	Heifers, Steers and Bulls 500 Lbs. & Under	Value	
		Beef	Milk	Beef Cow Replacement	Milk Cow Replacement	Other Heifers				Per Head	Total
	(000) Head									- Dollars -	- (000) Dollars -
1980	545	241	37	51	13	13	45	17	128	440	239,800
1981	570	259	36	55	13	11	45	18	133	420	239,400
1982	620	279	36	60	17	11	33	19	165	395	244,900
1983	580	260	36	51	16	15	49	19	134	385	223,300
1984	590	273	37	44	16	19	53	21	127	385	227,150
1985	580	275	33	31	14	11	71	23	122	375	217,500
1986	520	241	34	32	15	18	56	19	105	375	195,000
1987	560	278	32	35	10	31	40	17	117	355	198,800
1988	490	248	31	35	10	27	38	14	87	440	215,600
1989	500	245	26	35	10	25	52	17	90	495	247,500

ALL CATTLE AND MILK COWS: Number on Farm, 1988-1989 1/

County	1988		1989	
	All Cattle	Milk Cows	All Cattle	Milk Cows
	-- Number of Head --			
Barbour	10,300	420	12,500	400
Brooke	2,350	520	2,300	400
Doddridge	3,600	50	4,000	80
Hancock	850	-	1,000	-
Harrison	14,800	550	16,000	380
Lewis	11,000	260	11,000	240
Marion	6,850	350	7,500	260
Marshall	6,500	1,650	7,700	1,050
Monongalia	10,200	300	9,700	270
Ohio	3,900	620	4,000	740
Pleasants	1,600	100	1,800	-
Preston	25,000	3,250	25,000	2,900
Ritchie	6,700	70	7,000	60
Taylor	8,750	240	8,700	200
Tyler	6,050	360	6,000	400
Upshur	8,350	160	7,800	200
Wetzel	2,700	120	3,000	160
Wood	10,500	260	10,000	180
NORTHWEST	140,000	9,280	145,000	7,920
Boone	200	-	180	-
Braxton	6,500	110	7,000	50
Cabell	2,600	120	3,000	60
Calhoun	3,200	-	3,200	60
Clay	2,450	-	2,200	-
Fayette	4,450	260	4,200	220
Gilmer	7,800	120	7,000	70
Jackson	15,700	270	13,500	250
Kanawha	1,700	50	1,900	-
Lincoln	3,600	90	2,000	130
Logan	500	150	600	90
McDowell	50	-	50	-
Mason	21,700	4,050	21,000	3,300
Mercer	4,350	60	6,000	50
Mingo	100	-	70	-
Nicholas	6,400	210	6,700	240
Putnam	4,500	50	5,000	130
Raleigh	6,300	90	5,000	90
Roane	9,400	-	10,000	50
Wayne	2,750	320	2,900	190
Webster	1,600	80	1,400	60
Wirt	5,850	240	6,000	340
Wyoming	1,300	-	1,100	-
SOUTHWEST	113,000	6,270	110,000	5,380
Berkeley	14,300	2,600	15,000	1,800
Grant	11,700	220	13,000	230
Greenbrier	43,100	1,800	43,000	1,450
Hampshire	21,300	170	19,000	200
Hardy	23,400	600	24,000	550
Jefferson	23,500	5,100	22,000	4,300
Mineral	10,100	600	9,500	430
Monroe	20,700	2,200	26,000	1,900
Morgan	2,050	160	2,200	180
Pendleton	23,000	450	26,000	350
Pocahontas	19,300	110	19,000	190
Randolph	12,800	800	13,500	500
Summers	7,200	300	7,800	330
Tucker	4,550	190	5,000	90
EAST	237,000	15,300	245,000	12,500
OTHER 2/	-	150	-	200
STATE	490,000	31,000	500,000	26,000

1/ As of January 1.
2/ Counties with less than 50 head.

CATTLE AND CALVES: Production, Value and Income, 1979-1988

Year	Production 1/	Marketings 2/	Price Per 100 Lbs. Cattle	Price Per 100 Lbs. Calves	Value of Production	Cash Receipts	Value Home Consumption	Gross Income
	-- (000) Lbs. --		-- Dollars --			-- (000) Dollars --		
1979	137,800	114,080	55.70	79.50	83,016	68,150	10,645	78,795
1980	136,605	108,520	52.80	79.30	79,968	64,400	5,777	70,177
1981	137,860	94,590	47.50	66.90	72,220	49,089	6,485	55,574
1982	121,675	126,050	43.10	61.10	56,887	60,522	8,348	68,870
1983	142,435	107,850	43.10	58.60	65,923	51,222	10,970	62,192
1984	131,195	117,040	45.50	53.00	62,155	55,753	11,101	66,854
1985	89,800	145,500	46.00	56.50	44,235	70,836	5,946	76,782
1986	113,130	68,560	46.40	56.20	56,334	35,457	8,601	44,058
1987	71,250	95,240	57.50	68.70	47,205	61,882	6,289	68,171
1988	83,380	76,520	64.00	81.50	61,801	57,155	6,600	63,755

1/ Adjustments made for inshipments and changes in inventory.
2/ Excludes interfarm sales.

CATTLE AND CALVES: Inventory Number, Calf Crop and Disposition, 1979-1988

Year	On Hand January 1	Calves Born	Inshipments	Marketings 1/ Cattle	Marketings 1/ Calves	Farm Slaughter	Deaths Cattle	Deaths Calves
				-- (000) Head --				
1979	535	250	3	104	92	13	9	25
1980	545	264	3	93	98	5	14	32
1981	570	260	3	84	80	7	13	29
1982	620	250	5	112	131	8	14	30
1983	580	270	4	103	116	9	11	25
1984	590	265	5	109	122	9	15	25
1985	580	230	5	122	125	6	15	27
1986	520	250	9	41	122	11	15	30
1987	560	240	4	38	228	8	15	25
1988	490	240	14	36	168	6	10	24

1/ Excludes interfarm sales.

MILK: Production of Milk and Milkfat, 1979-1988

Year	Number of Milk Cows on Farms	Production of Milk and Milkfat: Per Milk Cow Milk	Per Milk Cow Milkfat	Percentage of Fat in Milk Produced	Total Milk	Total Milkfat
	- (000) -	- Pounds -		- Percent -	- Million Pounds -	
1979	37	9,459	348	3.68	350	13
1980	37	9,459	348	3.68	350	13
1981	36	9,722	358	3.65	349	13
1982	36	9,694	354	3.65	365	13
1983	36	10,139	370	3.65	365	13
1984	34	10,853	400	3.69	369	14
1985	34	11,235	412	3.67	382	14
1986	33	11,364	418	3.68	375	14
1987	32	10,906	400	3.67	349	13
1988	27	11,148	411	3.69	301	11

MILK: Disposition and Marketings, 1979-1988

Year	Used on Farms Where Produced: Fed to Calves	Used For Milk, Cream and Butter	Total	Marketed by Farmers: Sold To Plants & Dealers	Sold Directly to Consumers	Total
			-- Million Pounds --			
1979	6	18	24	319	7	326
1980	8	10	18	322	10	332
1981	6	7	13	330	7	337
1982	5	4	9	337	3	340
1983	6	4	10	348	7	355
1984	6	4	10	352	7	359
1985	6	4	10	365	7	372
1986	5	4	9	359	7	366
1987	5	4	9	333	7	340
1988	5	4	9	285	7	292

MILK: Marketings and Income, 1979-1988

Year	Combined Marketings of Milk and Cream				Used for Milk, Cream and Butter Where Produced		Gross Producer Income
	Milk Utilized	Average Returns 1/ Per Cwt. Milk	Average Returns 1/ Per Lb. Milkfat	Cash Receipts From Marketings 2/	Milk Utilized	Value 3/	
	- Million Lbs. -	- Dollars -		- (000) Dollars -	- Million Lbs. -	- 000 Dollars -	
1979	330	12.40	3.37	40,906	14	1,735	42,642
1980	332	13.43	3.65	44,604	10	1,343	45,948
1981	337	14.08	3.83	47,461	7	986	48,447
1982	340	13.70	3.75	46,585	4	548	47,134
1983	355	13.84	3.79	49,119	4	553	49,672
1984	359	13.67	3.71	49,089	4	547	49,636
1985	372	13.18	3.59	49,038	4	527	49,566
1986	366	12.74	3.46	46,632	4	510	47,142
1987	340	12.91	3.52	43,904	4	517	44,421
1988 4/	292	12.69	3.44	37,049	4	508	37,557

1/ Cash receipts divided by milkfat represented in combined marketings.
2/ Average returns per 100 pounds of milk in combined marketings of milk and cream.
3/ Cash receipts from milk and cream plus home consumption of milk and producer-churned butter.
4/ Preliminary.

MILK PRODUCTION: Number of Cows and Production, Quarterly, 1984-1988

Year	Jan.-March	April-June	July-Sept.	Oct.-Dec.	Annual
		AVERAGE NUMBER OF COWS (Thousand Head)			
1984	35	33	33	33	34
1985	34	34	34	34	34
1986	34	33	32	32	33
1987	32	32	31	31	32
1988	28	28	27	26	27
		PRODUCTION PER COW (Pounds)			
1984	2,686	2,818	2,758	2,758	10,853
1985	2,647	2,824	2,941	2,824	11,235
1986	2,706	3,000	2,875	2,875	11,364
1987	2,781	2,781	2,774	2,742	10,906
1988	2,857	2,786	2,704	2,692	11,148
		TOTAL PRODUCTION (Million Pounds)			
1984	94	93	91	91	369
1985	90	96	100	96	382
1986	92	99	92	92	375
1987	89	89	86	85	349
1988	80	78	73	70	301

DAIRY PRODUCTS: Production, Monthly and Annual, 1984-1988

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
						Ice Cream (000) Gallons							
1984	149	203	208	238	258	324	292	279	239	239	197	167	2,793
1985	211	218	315	290	290	267	330	289	259	249	221	179	3,118
1986	185	197	234	306	261	270	324	304	252	253	205	207	2,998
1987	138	208	277	245	280	320	282	288	255	179	176	107	2,755
1988 Not Published													
						Ice Milk (000) Gallons							
1984	123	148	199	192	254	311	252	254	202	177	116	100	2,328
1985	87	91	149	171	225	191	222	218	153	133	92	67	1,799
1986	89	92	158	182	198	232	214	191	150	141	77	98	1,822
1987	78	77	180	212	257	264	242	241	181	134	118	85	2,069
1988 Not Published													
						Milk Sherbet (000) Gallons							
1984	8	18	13	12	13	19	16	14	14	13	12	13	165
1985	13	10	17	21	23	14	25	19	14	11	12	17	196
1986	11	9	16	18	21	18	22	21	15	13	14	17	195
1987	10	10	14	12	13	22	18	16	13	10	12	5	155
1988 Not Published													

SHEEP AND LAMBS: Inventory, By Class and Value, January 1, 1979-1989

Year	Sheep 1 Year & Older		Lambs		Total	Value	
	Ewes	Wethers & Rams	Ewes	Wethers & Rams	Sheep & Lambs	Per Head	Total
	(000) Head					- Dollars -	- (000) Dollars -
1979	88	5	16	6	115	52.00	5,980
1980	87	4	17	5	113	60.50	6,837
1981	84	4	16	4	108	56.00	6,048
1982	85	3	18	4	110	55.50	6,105
1983	80	3	13	4	100	50.50	5,050
1984	72	3	12	4	91	50.50	4,596
1985	64	2	8	2	76	56.50	4,294
1986	60	2	8	8	78	65.50	5,109
1987	68	3	11	8	90	66.00	5,940
1988	67	3	10	11	91	75.00	6,825
1989	62	3	10	7	82	81.00	6,642

SHEEP AND LAMBS: Inventory, Lamb Crop and Disposition, 1979-1988

Year	On Hand January 1	Lambs Saved	Inshipments	Marketings 1/		Farm Slaughter	Deaths	
				Sheep	Lambs		Sheep	Lambs
	-- (000) Head --							
1979	115	101	1	16	60	1	9	18
1980	113	104	1	18	67	1	8	16
1981	108	100	1	14	61	1	7	16
1982	110	100	1	21	66	1	7	16
1983	100	90	1	20	60	2	6	12
1984	91	80	1	21	58	1	5	11
1985	76	71	1	10	44	1	5	10
1986	78	80	3	4	48	1	6	12
1987	90	77	0	14	42	2	6	12
1988	91	72	0	18	49	1	5	8

1/ Excludes interfarm sales.

SHEEP AND LAMBS: Production, Value and Income, 1979-1988

Year	Production 1/	Marketings 2/	Average Per Cwt.		Value of Production	Cash Receipts 3/	Value of Home Consumption	Gross Income
			Sheep	Lambs				
	-- (000) Lbs. --		-- Dollars --		(000) Dollars			
1979	6,754	7,015	23.70	61.60	3,680	3,683	99	3,782
1980	7,478	7,974	20.70	61.60	3,974	4,065	133	4,198
1981	7,252	7,003	17.90	54.30	3,405	3,216	115	3,331
1982	7,215	8,200	16.80	52.60	3,215	3,449	142	3,591
1983	8,328	9,244	12.70	48.10	3,266	3,384	95	3,479
1984	5,786	7,462	13.50	59.50	2,978	3,329	148	3,477
1985	5,070	4,948	17.50	67.80	3,060	2,640	171	2,811
1986	6,105	4,710	19.30	66.50	3,380	2,906	120	3,026
1987	5,685	5,280	23.70	74.10	3,436	3,066	267	3,333
1988	5,600	6,480	19.80	63.40	2,914	3,167	114	3,281

1/ Adjustments made for inshipments and changes in inventory.
2/ Excludes interfarm sales.
3/ Receipts from marketings and sale of farm slaughter.

WOOL: Sheep Shorn, Wool Production and Value 1979-1988

Year	Sheep Shorn	Weight Per Fleece	Shorn Wool Production	Price Per Pound	Value
	- (000) Head -	- Pounds -	- (000) Pounds -	- Cents -	- (000) Dollars -
1979	105	5.9	620	88	546
1980	107	5.8	621	78	484
1981	102	5.8	592	87	515
1982	105	5.6	588	40	235
1983	98	5.9	578	46	266
1984	80	5.7	456	79	360
1985	74	5.8	429	58	249
1986	79	5.8	458	65	298
1987	77	5.6	431	62	267
1988	66	6.0	396	91	360

HOGS AND PIGS: Number on Farms, By Class and Value, December 1, 1979-1988

Year	Breeding	Market	Marketing Hogs & Pigs by Weight				All Hogs	Value	
			Under 60 Lbs.	60-119 Lbs.	120-179 Lbs.	180 Lbs. & Over		Per Head	Total
	(000) Head							- Dollars -	- (000) Dollars -
1979	8	48	20	9	7	12	56	57.00	3,192
1980	11	62	26	9	9	18	73	71.50	5,220
1981	8	44	19	7	9	9	52	71.00	3,692
1982	8	34	14	6	5	9	42	91.00	3,822
1983	6	32	11	6	5	10	38	74.50	2,831
1984	4	33	14	8	5	6	37	70.00	2,590
1985	4	33	14	5	5	9	37	73.00	2,701
1986	5	32	11	7	5	9	37	89.00	3,293
1987	6	30	10	6	4	10	36	88.00	3,168
1988	7	30	10	7	5	8	37	81.50	3,016

PIG CROP: Sows Farrowed and Pigs Saved, 1979-1988

Year	Spring 1/			Fall 2/			Annual Total	
	Sows Farrowed	Pigs Per Litter	Pigs Saved	Sows Farrowed	Pigs Per Litter	Pigs Saved	Sows Farrowed	Pigs Saved
	- (000) Head -	Number	- (000) Head -		- Number -		-- (000) Head --	
1979	5.7	7.0	40	5.8	6.9	40	11.5	80
1980	9.0	6.8	61	6.8	7.6	52	15.8	113
1981	6.7	7.5	50	4.1	7.3	30	10.8	80
1982	5.2	7.0	36	3.8	7.5	29	9.0	65
1983	5.6	7.0	39	3.2	7.0	22	8.8	61
1984	2.7	6.4	17	2.4	6.6	16	5.1	33
1985	2.5	7.4	19	1.6	7.1	11	4.1	30
1986	2.4	6.7	16	2.7	7.1	19	5.1	35
1987	2.8	6.1	17	3.0	7.2	22	5.8	39
1988	3.1	6.3	20	3.7	7.0	26	6.8	46

1/ December through May.
2/ June through November.

HOGS AND PIGS: Inventory Number, Pig Crop and Disposition, 1979-1988

Year	On Hand December 1 1/	Pigs Saved	Inshipments	Marketings 2/	Farm Slaughter	Deaths
			-- (000) Head --			
1979	50	80	10	61	18	5
1980	56	113	9	75	22	8
1981	73	80	5	78	20	8
1982	52	65	6	63	13	5
1983	42	61	10	61	10	4
1984	38	33	5	27	9	3
1985	37	30	9	27	7	5
1986	37	35	8	35	4	4
1987	37	39	11	46	3	2
1988	36	46	8	44	6	3

1/ December 1, previous year.
2/ Excludes interfarm sales.

HOGS AND PIGS: Production, Value and Income, 1979-1988

Year	Production 1/	Marketings 2/	Price Per 100 Lbs.	Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
	-- (000) Lbs. --		-- Dollars --	(000) Dollars			
1979	26,888	14,743	38.70	10,348	5,712	4,608	10,320
1980	34,210	20,555	37.80	12,833	7,782	4,241	12,023
1981	28,781	22,270	44.60	12,808	9,939	4,549	14,488
1982	24,643	19,125	53.40	13,077	10,230	3,540	13,770
1983	24,693	19,755	46.70	11,499	9,230	2,620	11,850
1984	10,523	6,750	49.40	5,191	3,336	2,645	5,981
1985	11,450	8,407	44.00	5,017	3,702	1,372	5,074
1986	12,815	11,150	48.00	6,146	5,354	888	6,242
1987	16,239	14,348	52.50	8,515	7,535	1,135	8,670
1988	16,350	13,528	42.00	6,859	5,685	1,328	7,013

1/ Adjustments made for inshipments and changes in inventory. 2/ Excludes interfarm sales.

SHEEP AND HOGS: Number on Farms, 1988-1989

County	1988		1989	
	Sheep 1/	Hogs 2/	Sheep 1/	Hogs 2/
	-- Number of Head --			
Barbour	590	320	600	300
Brooke	250	60	320	50
Doddridge	520	150	450	150
Hancock	-	50	160	90
Harrison	450	130	430	160
Lewis	1,700	160	2,000	220
Marion	580	160	520	230
Marshall	1,150	240	1,150	360
Monongalia	1,550	360	1,350	290
Ohio	270	240	330	400
Pleasants	-	140	-	140
Preston	3,300	1,350	3,500	1,400
Ritchie	640	60	600	170
Taylor	180	80	180	60
Tyler	800	490	600	430
Upshur	680	250	450	120
Wetzel	650	400	650	280
Wood	600	660	700	660
NORTHWEST	13,990	5,300	13,990	5,500
Boone	-	-	-	-
Braxton	1,050	340	1,000	420
Cabell	-	170	100	230
Calhoun	-	50	-	90
Clay	110	90	130	-
Fayette	500	160	600	110
Gilmer	1,150	220	900	120
Jackson	870	370	650	400
Kanawha	100	100	230	330
Lincoln	300	600	260	260
Logan	-	60	-	-
McDowell	-	-	-	-
Mason	650	2,900	700	2,700
Mercer	320	150	600	160
Mingo	-	60	-	80
Nicholas	760	130	700	130
Putnam	140	260	310	350
Raleigh	510	400	470	580
Roane	510	110	570	90
Wayne	100	130	100	90
Webster	270	70	290	70
Wirt	140	70	170	110
Wyoming	170	-	100	50
SOUTHWEST	7,730	6,440	7,880	6,370
Berkeley	500	4,930	580	5,500
Grant	4,350	580	4,600	680
Greenbrier	3,700	580	3,600	800
Hampshire	2,650	2,480	2,000	2,500
Hardy	8,050	4,100	6,400	4,300
Jefferson	1,050	3,620	1,100	2,900
Mineral	1,750	710	1,150	420
Monroe	3,550	950	4,300	1,100
Morgan	-	300	-	380
Pendleton	18,300	3,000	15,000	3,500
Pocahontas	16,000	1,560	13,000	1,100
Randolph	7,750	1,000	7,000	1,400
Summers	400	240	450	300
Tucker	1,100	150	750	120
EAST	69,200	24,200	59,930	25,000
OTHER 3/	290	60	200	130
STATE	91,000	36,000	82,000	37,000

1/ As of January 1.
2/ As of December 1 previous year.
3/ Counties with less than 50 head of hogs or 100 head of sheep.

WOOL PRODUCTION: Sheep Shorn and Production, By Counties, 1987-1988

County	1987			1988		
	Sheep Shorn	Fleece Weight	Production	Sheep Shorn	Fleece Weight	Production
	-- Head --		-- Pounds --	-- Head --		-- Pounds --
Barbour	500	5.3	2,990	500	5.4	2,700
Brooke	210	8.9	1,870	180	5.6	1,000
Doddridge	480	5.5	2,650	360	5.1	1,830
Hancock	-	-	-	70	5.4	380
Harrison	330	5.6	1,860	420	4.9	2,040
Lewis	1,650	5.7	9,330	1,300	5.8	7,500
Marion	540	5.0	2,700	450	5.8	2,600
Marshall	1,250	5.5	6,900	1,100	5.5	6,000
Monongalia	1,250	6.0	7,450	1,100	6.3	6,960
Ohio	270	5.6	1,520	330	6.9	2,270
Pleasants	-	-	-	-	-	-
Preston	2,700	5.8	15,600	2,400	6.5	15,500
Ritchie	580	5.6	3,220	420	6.2	2,600
Taylor	130	6.6	860	130	6.2	800
Tyler	490	5.8	2,840	400	6.0	2,400
Upshur	410	5.4	2,200	310	5.2	1,600
Wetzel	670	5.6	3,720	550	6.1	3,350
Wood	500	6.7	3,350	400	7.0	2,800
NORTHWEST	11,960	5.8	69,060	10,420	6.0	62,330
Braxton	960	5.6	5,350	850	5.2	4,400
Cabell	-	-	-	110	6.0	660
Calhoun	-	-	-	-	-	-
Clay	90	4.8	430	90	5.2	470
Fayette	320	5.4	1,730	300	6.0	1,800
Gilmer	960	5.6	5,350	750	6.3	4,700
Jackson	760	6.1	4,650	650	6.5	4,200
Kanawha	130	6.0	780	180	6.4	1,150
Lincoln	140	6.9	970	110	5.3	580
Mason	620	6.6	4,100	560	6.3	3,550
Mercer	460	5.8	2,690	400	6.3	2,500
Nicholas	530	4.7	2,500	420	5.8	2,450
Putnam	230	6.1	1,410	250	6.6	1,650
Raleigh	380	6.1	2,300	370	5.1	1,900
Roane	520	5.2	2,690	520	5.7	2,950
Wayne	130	6.5	840	100	5.4	540
Webster	200	5.4	1,080	200	6.0	1,200
Wirt	100	6.6	660	150	6.3	950
Wyoming	70	4.9	340	60	4.8	290
SOUTHWEST	6,600	5.7	37,870	6,070	5.9	36,070
Berkeley	500	6.1	3,100	470	6.4	3,030
Grant	5,120	5.5	28,100	4,400	6.0	26,220
Greenbrier	3,630	5.5	20,000	2,800	6.1	17,130
Hampshire	1,600	5.4	8,650	1,500	6.6	9,900
Hardy	6,450	5.9	38,200	5,400	6.4	34,300
Jefferson	980	6.3	6,200	800	6.9	5,550
Mineral	1,460	5.3	7,750	1,200	5.7	6,800
Monroe	3,850	5.9	22,700	3,350	6.4	21,340
Morgan	-	-	-	-	-	-
Pendleton	16,300	5.4	87,400	14,000	5.8	81,340
Pocahontas	10,300	5.5	56,800	8,800	5.9	51,850
Randolph	6,950	5.4	37,700	5,800	5.9	34,110
Summers	400	5.5	2,200	340	6.0	2,050
Tucker	680	6.2	4,210	580	6.4	3,700
EAST	58,220	5.5	323,010	49,440	6.0	297,320
OTHER 1/	220	4.8	1,060	70	5.9	410
STATE	77,000	5.6	431,000	66,000	6.0	396,000

1/ Counties with less than 100 total sheep.

COMMERCIAL LIVESTOCK SLAUGHTER: Number of Head and Liveweight, 1979-1988

Year	Cattle			Calves		
		Liveweight			Liveweight	
	Head	Average	Total	Head	Average	Total
	- Number -	- Pounds -	- (000) Pounds -	- Number -	- Pounds -	- (000) Pounds -
1979	34,700	1,010	35,006	400	277	111
1980	36,500	976	35,602	500	317	158
1981	38,600	946	36,528	500	329	176
1982	38,400	928	35,626	600	297	169
1983	38,400	916	35,184	800	292	241
1984	36,600	921	33,672	1,000	280	279
1985	31,500	951	29,974	900	305	265
1986	29,200	975	28,453	500	309	151
1987	23,000	955	21,966	300	293	98
1988	19,700	973	19,190	200	290	55

Year	Hogs			Sheep & Lambs		
		Liveweight			Liveweight	
	Head	Average	Total	Head	Average	Total
	- Number -	- Pounds -	- (000) Pounds -	- Number -	- Pounds -	- (000) Pounds -
1979	32,300	381	12,309	700	109	80
1980	41,900	358	14,983	800	106	86
1981	37,200	373	13,865	800	106	82
1982	29,900	399	11,904	900	88	83
1983	29,300	387	11,368	1,400	87	124
1984	28,900	379	10,977	1,500	85	129
1985	26,900	400	10,775	1,200	103	127
1986	24,400	403	9,827	800	101	81
1987	24,100	401	9,645 1/	600	107	61
1988	24,600	374	9,188	700	113	82

1/ Revised

SLAUGHTER: Total Red Meat Production, 1984-1988

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
	-- (000) Pounds --												
1984	2,363	1,807	1,846	1,708	1,782	1,620	1,654	1,930	2,267	3,827	3,601	2,737	27,144
1985	2,483	1,835	1,805	1,737	1,708	1,428	1,751	1,777	2,197	3,111	3,009	2,299	25,141
1986	2,082	1,504	1,605	1,703	1,355	1,379	1,430	1,561	2,113	3,041	3,086	2,426	23,285
1987	1,906	1,482	1,485	1,332	1,143	1,113	1,206	1,315	1,763	2,427	2,458	1,972	19,603
1988	1,466	1,311	1,327	1,140	1,063	1,198	1,245	1,358	1,506	1,938	2,290	1,680	17,521

SLAUGHTER: Number of Federally Inspected Plants and Head Slaughtered, By Species, By Size Group, United States, 1988 1/

Size Group	Cattle		Size Group	Hogs	
	Plants	Head		Plants	Head
	- Number -	- (000) -		- Number -	- (000) -
Under 1,000	876	255.2	Under 1,000	783	236.4
1,000-9,999	184	666.3	1,000-9,999	206	611.1
10,000-49,999	86	1,926.9	10,000-99,999	94	3,998.8
50,000-99,999	36	2,626.9	100,000-249,999	15	2,641.6
100,000-249,999	34	5,322.9	250,000-499,999	8	3,370.7
250,000-499,999	17	6,052.7	500,000-999,999	11	8,129.7
500,000 +	19	17,317.0	1,000,000-1,499,999	7	10,504.8
			1,500,000 +	26	56,862.3
Total 2/	1,252	34,167.8	Total 2/	1,150	86,355.2

Size Group	Calves		Size Group	Sheep & Lambs	
	Plants	Head		Plants	Head
	- Number -	- (000) -		- Number -	- (000) -
Under 100	444	6.4	Under 100	621	19.6
100-999	61	20.7	100-999	176	50.6
1,000-9,999	46	175.4	1,000-9,999	60	190.5
10,000 +	52	2,229.4	10,000 +	20	4,906.8
Total 2/	603	2,431.9	Total 2/	877	5,167.5

1/ Includes data from 1/4/88-12/27/88. 2/ Total may not add due to rounding.

1988 POULTRY SUMMARY

Chickens: All chickens as of December 1, 1988, totaled 730,000 birds, excluding commercial broilers. This was 60,000 birds or 8 percent below a year ago. The December 1 inventory was valued at $2.37 million, 5 percent below the previous year.

Eggs: The 1988 egg production of 126 million was 2 percent less than the previous year. The production was from an average of 568,000 layers, down 3 percent from 1987. The gross income for eggs, including home consumption, was $9.95 million; up 16 percent from a year ago.

Broilers: Commercial broiler production totaled 35.2 million birds, 7 percent more than in 1987. A total of 130.1 million pounds were produced also increasing 7 percent from the previous year. The average price per pound was 33.5 cents, up 8.0 cents from 1987. The value of production totaled $43.6 million, up nearly $13 million from last year.

Turkeys: Turkeys raised totaled 2.30 million birds, 100,000 less than the number raised in 1987. Production was 43.2 million pounds, 1.4 million pounds less than the previous year. The average price per pound was 38.0 cents, which was up 8.0 cents from last year. The value of production totaled $16.4 million, an increase of $3.0 million from 1987.

CHICKENS: Number on Farms and Value, 1979-1988 1/

Year	All Chickens	Hens & Pullets Of Laying Age	Hens & Pullets Not Of Laying Age	Other Chickens	Value	
					Per Bird	Total
	(000) Birds				- Dollars -	- (000) Dollars -
1979	940	780	133	27	1.70	1,598
1980	970	810	88	72	2.65	2,571
1981	812	609	150	53	2.45	1,989
1982	800	585	144	71	3.85	3,080
1983	870	610	180	80	4.00	3,480
1984	790	540	188	62	3.80	3,002
1985	710	471	2/	2/	4.15	2,947
1986	670	498	116	56	3.40	2,278
1987	790 3/	618 3/	118	54	3.15	2,489 3/
1988	730	467	228	35	3.25	2,373

1/ Excludes commercial broilers.
2/ Data not shown to avoid disclosing individual operations.
3/ Revised.

CHICKENS: Number of Birds, By Counties, 1987-1988 1/

County	Number of Birds 1987	Number of Birds 1988	County	Number of Birds 1987	Number of Birds 1988	County	Number of Birds 1987	Number of Birds 1988
Barbour	3,300	2,900	Boone	2,300	1,000	Berkeley	19,000	24,500
Brooke	700	600	Braxton	2,250	1,900	Grant	40,000	45,000
Doddridge	1,550	1,400	Cabell	1,550	1,550	Greenbrier	4,700	3,500
Hancock	3,750	3,750	Calhoun	1,250	1,100	Hampshire	131,000	126,000
Harrison	3,600	3,600	Clay	1,900	1,700	Hardy	340,000	310,000
Lewis	2,900	2,900	Fayette	1,100	1,000	Jefferson	2,300	2,300
Marion	2,150	2,000	Gilmer	2,900	2,600	Mineral	73,700	65,000
Marshall	2,100	2,100	Jackson	4,800	4,500	Monroe	4,200	3,700
Monongalia	3,400	4,300	Kanawha	4,150	4,000	Morgan	2,200	2,000
Ohio	500	500	Lincoln	5,300	4,000	Pendleton	700	1,200
Pleasants	450	450	Logan	350	300	Pocahontas	3,900	3,900
Preston	9,800	9,000	Mason	52,900	40,000	Randolph	2,000	1,600
Ritchie	1,600	1,500	McDowell	150	150	Summers	1,600	1,300
Taylor	950	800	Mercer	1,700	1,600	Tucker	7,000	5,000
Tyler	3,550	2,400	Mingo	2,050	1,800			
Upshur	1,900	1,800	Nicholas	10,050	10,000	EAST	631,000	595,000
Wetzel	1,700	1,500	Putnam	2,650	2,500			
Wood	4,600	3,500	Raleigh	1,000	850			
			Roane	2,600	2,400			
NORTHWEST	48,500	45,000	Wayne	1,500	1,200			
			Webster	2,150	1,700			
			Wirt	1,350	1,200	STATE	790,000	730,000
			Wyoming	3,900	3,000			
			SOUTHWEST	109,800	90,800			

1/ Excludes commercial broilers.

CHICKENS AND EGGS: Number of Layers and Production, Quarterly, 1984-1988

Year	Dec.-Feb. 1/	March-May	June-Aug.	Sept.-Nov.	Annual
			Average Number of Layers (Thousand Birds)		
1984	623	609	549	528	577
1985	550	565	539	490	536
1986	478	481	482	491	483
1987 2/	562	617	581	586	587
1988	603	586	571	513	568
			Eggs Per 100 Layers		
1984	5,297	5,747	6,011	5,871	22,877
1985	5,818	5,664	5,566	5,510	22,575
1986	5,439	5,821	5,809	5,499	22,567
1987 2/	5,338	5,511	5,680	5,290	21,806
1988	5,307	5,802	5,604	5,458	22,183
			Total Eggs produced (Million Eggs)		
1984	33	35	33	31	132
1985	32	32	30	27	121
1986	26	28	28	27	109
1987 2/	30	34	33	31	128
1988	32	34	32	28	126

1/ December preceding year.
2/ Revised.

CHICKENS: Lost, Sold and Value 1/, 1979-1988

Year	Number Lost	Number Sold	Pounds Sold	Average Price Per Pound	Value of Sales
	-- (000) Birds --		- (000) -	- Cents -	- (000) Dollars -
1979	150	700	3,220	12.5	403
1980	150	760	3,496	9.4	329
1981	190	600	3,600	9.4	338
1982	120	600	3,600	8.7	313
1983	110	480	2,880	11.7	337
1984	100	500	3,000	15.5	465
1985	110	510	2,295	14.0	321
1986	104	400	1,800	12.0	216
1987	90	370	1,665	10.0	167
1988	80	480	2,160	8.6	186

1/ Estimates cover the 12-month period (December 1, previous year through November 30) and excludes commercial broilers.

EGGS: Production, Disposition and Income, 1979-1988

Year	Layers 1/	Eggs produced Per Layer 2/	Total Eggs Produced	Price Per Dozen	Value Of Production
	- (000) -	- Number -	- Million Eggs -	- Cents -	- (000) Dollars -
1979	755	236	178	69.4	10,294
1980	644	231	149	67.4	8,369
1981	670	231	155	74.5	9,623
1982	612	230	141	76.0	8,930
1983	607	224	136	81.7	9,260
1984	577	229	132	92.8	10,208
1985	536	226	121	83.2	8,389
1986	483	226	109	82.2	7,466
1987	587 3/	218 3/	128 3/	80.2	8,555 3/
1988	568	222	126	94.8	9,954

1/ Average number during the year.
2/ Eggs produced during year divided by average layers on hand during year.
3/ Revised.

COMMERCIAL BROILERS: Production and Income, 1979-1988

Year	Number Produced	Pounds Produced	Average Price Per Pound	Value of Production
	-- (000) --		- Cents -	- (000) Dollars -
1979	18,743	63,726	28.5	18,162
1980	21,786	76,251	31.0	23,638
1981	24,990	87,465	32.0	27,989
1982	26,140	94,104	28.5	26,820
1983	28,594	105,798	32.0	33,855
1984	26,020	96,274	37.0	35,621
1985	25,689	95,049	31.0	29,465
1986	29,010	104,436	36.5	38,119
1987	32,770	121,249	25.5	30,918
1988	35,166	130,114	33.5	43,588

TURKEYS: Production and Income, 1979-1988

Year	Number Raised	Pounds Produced	Average Price Per Pound	Value of Production
	- (000) Birds -	- (000) Pounds -	- Cents -	- (000) Dollars -
1979	2,633	47,394	40.0	18,958
1980	2,282	39,935	40.0	15,974
1981	2,149	34,384	38.0	13,066
1982	2,115	34,686	39.0	13,528
1983	1,849	32,727	40.0	13,091
1984	2,300	45,540	51.0	23,225
1985	2,400	49,440	51.0	25,214
1986	2,220	38,850	49.0	19,037
1987	2,400	44,640	30.0	13,392
1988	2,300	43,240	38.0	16,431

1988 HONEY SUMMARY

Honey production in West Virginia totaled 1,050,000 pounds during 1988. This was up 22 percent from the 861,000 pounds the previous year. Total of colonies producing honey was 30,000, up 9,000 colonies from 1987. Yield per colony averaged 35 pounds, 6 pounds below 1987's average yield per colony. The average price per pound for honey was 82 cents, unchanged from the previous year. The value of production amounted to $861,000, up $155,000 from 1987.

HONEY: Number of Colonies, Production, Stocks and Values, 1984-1987

Year	Producing Colonies	Production		January 1 Stocks 1/	Value Per Pound	Total
		Per Colony	Total			
	- 000 -	- Lbs. -	- 000 Lbs. -	- 000 Lbs. -	- Dollars -	- 000 Dollars -
1984	20	44.0	880.0	193.6	1.00	880.0
1985	20	41.3	826.0	244.4	1.00	826.0
1986	17	30.0	510.0	260.0 2/	0.79	403.0
1987	21	41.0	861.0	207.0	0.82 3/	706.0 3/
1988	30	35.0	1,050.0	630.0	0.82	861.0

1/ January 1, following year.
2/ Stocks as of December 15.
3/ Revised.

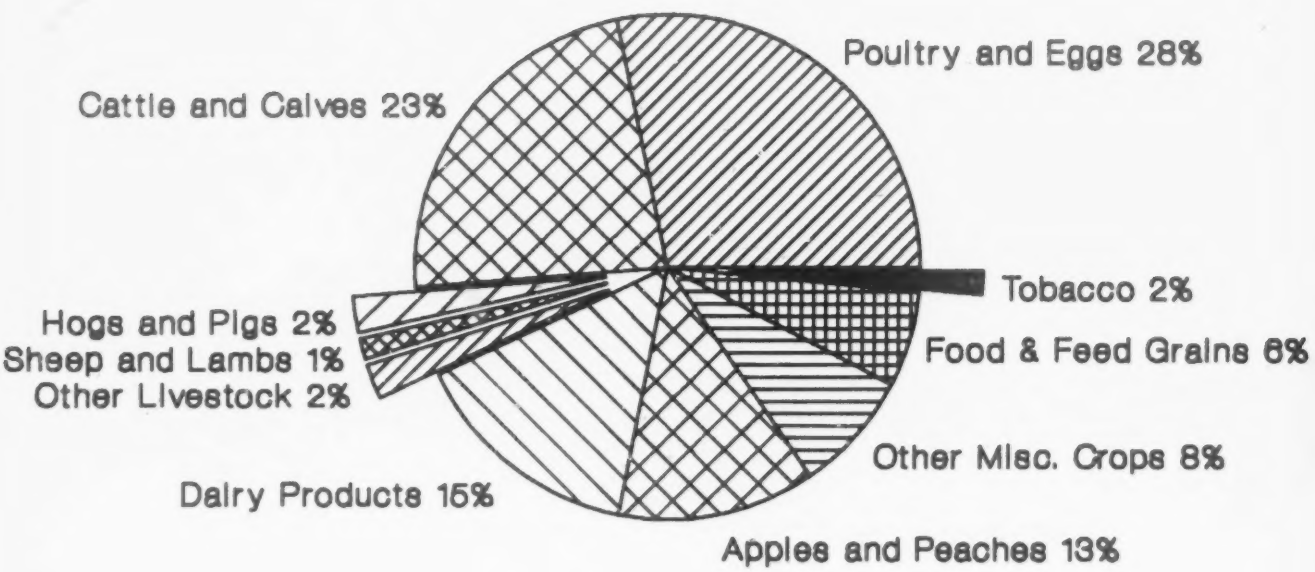
Income, Expenditures and Prices

WEST VIRGINIA CASH RECEIPTS FROM FARM MARKETINGS: 1984-1988

Commodity	1984 1/	1985 1/	1986 1/	1987 1/	1988 2/
			-- (000) Dollars --		
Livestock Products	184,749	193,361	159,895	174,499	178,642
Cattle and Calves	55,753	70,837	35,457	61,882	57,155
Hogs	3,336	3,702	5,354	7,535	5,685
Sheep and Lambs	3,328	2,639	2,906	3,066	3,167
Dairy Products	49,089	49,038	46,632	43,904	37,049
Poultry and Eggs	68,978	63,396	64,845	53,039	70,165
Other Livestock	4,265	3,749	4,701	5,073	5,421
Crops	50,603	65,006	65,048	59,936	69,757
Food Grains	666	400	423	687	884
Feed Crops	9,715	17,584	13,844	13,714	14,345
Tobacco	5,535	6,992	4,282	3,833	3,782
Vegetables	1,455	1,540	1,992	1,850	1,650
Apples	22,513	24,399	25,744	21,688	27,989
Peaches	2,901	17 3/	3,338	2,281	3,373
Other Misc. Crops 4/	7,818	14,074	15,425	15,883	17,734
All Commodities	235,352	258,367	224,943	234,435	248,399

1/ Revised
2/ Preliminary
3/ Crop failure due to frost
4/ Includes greenhouse/nursery and forest products

WEST VIRGINIA CASH RECEIPTS BY COMMODITY, 1988



WEST VIRGINIA FARM INCOME INDICATORS: 1984-1988

Item	1984	1985	1986	1987	1988
			-- Million Dollars --		
Gross farm income 1/	**397.1**	**354.4**	**352.4**	**330.7**	**377.6**
Cash income	289.0	306.2	278.5	286.9	302.3
Farm marketings	235.4	258.4	224.9	234.4	248.4
Crops	50.6	65.0	65.0	59.9	69.8
Livestock and products	184.7	193.4	159.9	174.5	178.6
Government payments	5.8	4.3	8.4	10.6	12.2
Other farm income	47.9	43.5	45.2	41.9	41.7
Machine hire/customwork	.6	.9	.6	.9	.8
Other farm-related income 2/	47.2	42.6	44.6	41.0	40.9
Noncash income	95.7	72.2	72.1	70.7	73.7
Value of home consumption	17.3	10.1	12.3	9.8	10.1
Rental value of dwellings	78.3	62.1	59.9	60.9	63.6
Operator dwellings	77.9	61.7	59.6	60.6	63.3
Hired laborer dwellings	.4	.4	.3	.3	.3
Value of inventory adjustment	12.4	-24.0	1.8	-27.0	1.6
Total production expenses 1/	**346.6**	**320.2**	**300.0**	**290.8**	**314.0**
Intermediate product expenses	177.9	168.4	157.1	157.3	172.8
Farm origin	72.7	63.3	61.6	58.4	74.9
Feed purchased	59.1	48.9	45.2	42.6	53.8
Livestock and poultry purchased	10.1	11.0	13.4	12.7	17.9
Seed purchased	3.5	3.4	3.0	3.0	3.2
Manufactured inputs	34.5	35.9	27.4	28.7	27.4
Fertilizer and lime	10.3	12.6	8.7	9.7	7.7
Pesticides	5.6	5.9	5.3	5.4	5.5
Fuel and oil	14.3	13.2	9.6	8.9	9.1
Electricity	4.3	4.2	3.8	4.7	5.1
Other	70.8	69.2	68.1	70.2	70.5
Repair and maintenance	37.6	36.7	38.3	39.6	40.7
Other miscellaneous 3/	33.2	32.5	29.8	30.6	29.8
Interest	36.6	33.2	30.5	25.4	31.8
Real estate	25.4	21.1	19.5	16.0	21.3
Nonreal estate	11.2	12.2	11.0	9.5	10.5
Contract and hired labor expenses	23.1	23.3	23.5	25.7	26.6
Cash labor expenses 4/	21.8	22.1	22.5	24.5	25.4
Perquisites	1.3	1.2	1.0	1.2	1.2
Net rent to nonoperator landlords 5/	2.9	2.7	2.2	3.1	4.0
Capital consumption	99.6	86.0	80.3	72.9	72.6
Property taxes	6.4	6.6	6.4	6.3	6.2
NET FARM INCOME	**50.5**	**34.2**	**52.4**	**39.9**	**63.7**
Cash income 6/	289.0	306.2	278.5	286.9	302.3
Cash expenses 6/	230.4	219.5	206.0	203.0	227.1
Intermediate product expenses	169.6	159.9	147.9	148.0	163.2
Interest	31.5	30.0	29.0	23.1	30.2
Cash labor expenses 4/	21.8	22.1	22.5	24.5	25.4
Net rent to nonoperator landlords 5/	2.9	2.7	2.2	3.1	4.0
Property taxes	4.6	4.8	4.4	4.3	4.2
NET CASH INCOME	58.6	86.6	72.4	83.9	75.2
Cash income	289.0	306.2	278.5	286.9	302.3
Cash expenses	230.4	219.5	206.0	203.0	227.1
Capital consumption	74.9	64.9	59.6	53.2	53.4
NET BUSINESS INCOME 7/	-16.3	21.7	12.8	30.7	21.9
Gross receipts of farms 8/	319.1	292.7	292.8	270.1	314.4
Nonfactor payments 6/	249.1	229.6	212.0	205.5	220.8
Intermediate product expenses	169.6	159.9	147.9	148.0	163.2
Capital consumption	74.9	64.9	59.6	53.2	53.4
Property taxes	4.6	4.8	4.4	4.3	4.2
Factor payments 6/	70.1	63.0	80.9	64.6	93.6
Interest	31.5	30.0	29.0	23.1	30.2
Contract and hired labor expenses	23.1	23.3	23.5	25.7	26.6
Net rent to nonoperator landlords 5/	2.9	2.7	2.2	3.1	4.0
RETURNS TO OPERATORS 9/	12.5	7.0	26.2	12.7	32.7
Off-farm income 10/	342.6	374.9	392.8	411.6	454.9

* Footnotes for this table are located on page 36.

FARM PRODUCTION EXPENDITURES: Appalachian Region 1/, 1988

Appalachian Region	Farms Reporting	Average Per Farm	Total Expenditure
	- Percent -	- Dollars -	- (000) Dollars -
Total Farm Production Expenditures	100.0	26,863	8,932,089
Livestock and Poultry Purchases	39.7	2,566	853,340
Feed	75.2	4,977	1,654,798
Farm Services	98.3	5,132	1,706,521
Agricultural Chemicals	65.9	802	266,821
Fertilizer	78.3	1,806	600,414
Interest	35.4	1,720	571,946
Taxes	95.8	599	199,230
Labor	48.1	2,398	797,319
Fuels and Lubricants	92.4	1,100	365,618
Farm Supplies	69.7	547	182,041
Building and Fencing	53.3	758	252,167
Farm and Land Improvements	16.5	180	59,856
Total Farm machinery	82.6	2,718	903,584
Seeds and Plants	67.3	674	224,012
Trucks and Autos	14.4	724	240,598
Other Unallocated Expenses	2.6	162	53,824

1/ Kentucky, North Carolina, Tennessee, Virginia and West Virginia.

FARM LABOR: Number of Workers and Hours Worked Appalachian Region II 1/, By Survey Week, 1987-1988 2/

Year and Survey Week	Number of Workers				Hours Worked		
	Self-Employed	Unpaid Family	All Hired	Total	Self-Employed	Unpaid Family	All Hired
	--- (000) Workers ---				--- Hours ---		
1987:							
April 12-18	109.0	25.0	31.0	165.0	26.5	29.4	33.0
July 12-18	98.0	28.0	43.0	169.0	35.3	32.5	35.0
October 11-17	92.0	26.0	33.0	151.0	32.7	30.6	30.9
1988:							
April 10-16	93.0	28.0	29.0	150.0	33.0	26.7	38.8
July 10-16	112.0	29.0	33.0	174.0	28.9	34.4	33.1
October 9-15	112.0	36.0	42.0	190.0	30.7	32.6	28.4

FARM LABOR: Wage Rates for Hired Workers, Appalachian Region II 1/, By Survey Week, 1987-1988 2/

Year and Survey Week	All Hired	Type of Worker				Method of Pay		
		Field	Livestock	Supervisory	Other 3/	Hourly	Piece Rate	Other 4/
	--- Dollars Per Hour ---							
1987:								
April 12-18	3.94	3.76	3.90	5/	5/	3.80	5/	4.52
July 12-18	4.00	3.69	4.17	6.61	5/	3.79	5/	4.87
October 11-17	4.16	3.81	4.26	6.87	5/	3.89	5.88	5.16
1988:								
April 10-16	4.29	3.78	4.33	7.88	6.08	4.21	5/	4.64
July 10-16	4.63	4.07	4.45	7.65	5/	4.40	5/	5.31
October 9-15	4.55	4.31	4.35	7.62	5/	4.46	5/	4.79

1/ Includes Kentucky, Tennessee and West Virginia.
2/ Excludes Agricultural Service Workers.
3/ Includes machine operators, bookkeepers, buyers, etc.
4/ Includes wages based on salary or commission by day, week, etc.
5/ Insufficient data.

PRICES RECEIVED: Annual Average, Selected Crops, 1979-1988

Year	Corn Per Bushel	All Hay Per Ton	Oats Per Bushel	Winter Wheat Per Bushel	Peaches Per Pound
		---------- Dollars ----------			- Cents -
1979	2.50	50.00	1.35	4.00	17.3
1980	3.30	60.00	1.65	4.00	13.4
1981	2.64	63.00	1.90	3.65	15.5
1982	2.55	63.00	1.50	3.35	23.5
1983	3.31	71.00	1.65	3.45	14.0
1984	2.70	70.50	1.75	3.35	17.2
1985	2.23	60.00	1.20	2.95	-
1986	1.50	55.00	1.00	2.40	15.1
1987	1.96 1/	59.00 1/	1.45	2.50 1/	14.0
1988	2.60	77.00	2.60	3.65	17.7

1/ Revised.

PRICES RECEIVED: Monthly and Annual Average, Apples and Tobacco, 1984-1988

Crop Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
						-- Cents Per Pound --							
						Apples							
1984	11.5	11.0	12.0	13.0	-	-	-	-	20.0	19.0	19.0	18.0	15.3
1985	15.0	15.5	16.0	16.0	-	-	-	-	16.0	15.0	15.0	15.0	15.3
1986	15.0	16.0	16.0	15.5	-	-	-	-	17.5	16.5	16.0	16.5	16.8
1987	16.5	16.5	17.0	17.0	-	-	-	-	13.5	12.2	10.3	10.3	11.7
1988	10.9	12.9	10.9	10.9	-	-	-	-	30.0	24.0	22.0	21.0	-
						Tobacco							
1984	173.8	-	-	-	-	-	-	-	-	-	180.9	180.1	-
1985	179.1	-	-	-	-	-	-	-	-	-	154.3	156.2	-
1986	156.7	154.1	-	-	-	-	-	-	-	-	156.3	155.0	-
1987	150.5	-	-	-	-	-	-	-	-	-	153.2	147.5	-
1988	133.4	-	-	-	-	-	-	-	-	-	157.9	154.7	-

PRICES RECEIVED: Annual Average, Cattle, 1979-1988

Year	Cows	Steers & Heifers	All Beef 1/	Calves
		-- Dollars Per Cwt. --		
1979	47.70	65.80	55.70	79.50
1980	44.50	60.00	52.80	79.30
1981	38.90	52.30	47.50	66.90
1982	37.70	48.00	43.10	61.10
1983	38.30	47.50	43.10	58.60
1984	35.20	52.30	45.50	53.00
1985	32.60	55.00	46.00	56.60
1986	30.70	53.10	46.40	56.20
1987	39.90	65.00	57.50	68.70
1988	43.90	73.00	64.00	81.50

1/ Cows, steers and heifers combined.

PRICES RECEIVED: Annual Average, Dairy, 1979-1988

Year	Milk Cows	All Milk Sold To Plants	Retailed By Farmers
	- Dollars -	- Dollars Per Cwt. -	- Dollars Per Quart -
1979	950.00	12.10	-
1980	1,040.00	13.00	-
1981	1,000.00	13.80	.59
1982	1,000.00	13.60	.54
1983	855.00	13.60	.55
1984	855.00	13.40	.59
1985	845.00	12.90	.60
1986	815.00	12.40	.65
1987	850.00	12.50	.70
1988	840.00	12.20	.70

PRICES RECEIVED: Annual Average, Hogs, Sheep and Wool, 1979-1988

Year	Hogs			Sheep & Wool		
	Barrows & Gilts	Sows	All Hogs	Lambs	Sheep	Wool
	---------- Dollars Per Cwt. ---------					- Cents Per Lb. -
1979	-	-	38.70	61.60	23.70	88
1980	-	-	37.80	61.60	20.70	78
1981	45.20	38.50	44.60	54.30	17.90	87
1982	53.90	48.60	53.40	52.60	16.80	40
1983	47.50	39.40	46.70	48.10	12.70	46
1984	49.30	42.00	49.40	59.50	13.50	79
1985	44.40	36.80	44.00	67.80	17.50	58
1986	48.70	41.90	48.00	66.50	19.30	65
1987	52.90	43.30	52.50	74.10	23.70	62
1988	42.70	32.40	42.00	63.40	19.80	91

PRICES RECEIVED: Annual Average, Poultry, 1979-1988

Year	Broilers	Other Chickens	Market Eggs 1/	All Eggs	Turkeys
	-- Cents Per Lb. --		--Cents Per Dozen --		- Cents Per Lb. -
1979	28.5	12.5	-	69.4	40.0
1980	31.0	9.4	-	67.4	40.0
1981	32.0	9.4	-	74.5	38.0
1982	28.5	8.7	70.5	70.5	39.0
1983	32.0	11.7	60.8	81.7	40.0
1984	37.0	15.5	80.0	92.6	51.0
1985	31.0	14.0	61.0	83.2	51.0
1986	36.5	12.0	65.0	82.2	49.0
1987	25.5	10.0	58.0	80.2	30.0
1988	33.5	8.6	55.7	94.8	38.0

1/ Not available prior to 1982.

PRICES PAID FUEL: Quarterly and Annual Average, Appalachian Region, 1/ 1988-1979

Type	January	April	July	October	Annual
			-- Dollars Per Gallon --		
Gasoline, Unleaded 2/	.92	.92	.94	.93	.93
Gasoline, Leaded	.88	.88	.92	.91	.90
Diesel Fuel	.77	.77	.77	.73	.76
L. P. Gas	.78	.77	.75	.73	.76

1/ Prices include all taxes. Appalachian region consists of Kentucky, North Carolina and Tennessee.
2/ Prices pumped at service station. All other types of gasoline are bulk delivery prices.

PRICES PAID FEED: Quarterly and Annual Average, Appalachian Region, 1/ 1988

Type	January	April	July	October	Annual
			-- Dollars Per Ton --		
Beef Concentrate 32-36%	254.00	261.00	289.00	279.00	270.75
Corn Meal	130.00	136.00	168.00	174.00	152.00
Dairy Feed 16%	172.00	169.00	203.00	202.00	186.50
Dairy Concentrate 32%	287.00	256.00	336.00	314.00	293.25
Hog Concentrate 38-42%	316.00	311.00	398.00	376.00	350.25
Laying Feed	183.00	174.00	217.00	214.00	197.00
Soybean Meal 44%	280.00	274.00	376.00	356.00	321.50

1/ Kentucky, North Carolina and Tennesse. West Virginia and Virginia.

FERTILIZER: Mixtures and Materials Sold, By Kinds, 1987-1988

Analysis	1987	1988	Analysis	1987	1988
	--Tons--			--Tons--	
5-10-10	4,356	2,943	Ammonium Nitrate	1,505	876
5-10-15	850	474	Ammonium Sulphate	327	246
6-24-24	1,317	426	Nitrogen Solutions	5,637	3,615
10-10-10	5,828	4,749	Sodium Nitrate	57	29
10-20-10	746	628	Urea	3,917	4,794
10-20-20	7,992	5,568	Other Nitrate	7,391	4,202
12-12-12	2,545	1,120	Total Nitrogen	20,877	12,908
12-24-24	270	319	Total Phosphorus	4,504	4,078
15-15-15	1,090	601	Potassium Chloride	9,966	7,685
15-30-15	510	524	Other Potash	126	66
18-46-0	9,269	6,237	Total Potash	10,093	7,751
19-19-19	2,768	1,616	Total Mixtures	43,606	31,697
All Other	6,065	6,492	Total Other 1/	1,498	5,052
Total Mixtures	43,606	31,697	Total Fertilizer Sold	80,577	61,487

1/ Includes Natural Organics and Secondary and Micronutrients.

Source: Tennessee Valley Authority - National Fertilizer Development Center.

FEEDS: Quantity of Commercial Feeds and Ingredients, Sold by Kinds, 1987-1988

Class of Feed	1987	1988	Ingredient	1987	1988
	--Tons--			--Tons--	
Dairy	35,720	33,092	Alfalfa Meal	146	250
Beef	10,399	8,036	Animal Products	4,392	6,071
Laying Mash	8,523	7,585	Brewer Grains	-	219
Starter & Grower	1,003	801	Corn Products	7,700	6,799
Broiler	2,513	2,537	Corn Distilier		
Scratch	1,867	1,531	Products	701	644
Turkey	6,924	4,790	Grain Mixtures		
Hog	7,348	7,584	(Chop)	894	224
Horse	13,981	12,706	Oat Products	1,228	1,107
Sheep	1,215	1,138	Soybean Meal	4,246	3,225
Pet	40,032	30,516	Wheat Products	2,236	1,252
Minerals	3,678	2,937	Miscellaneous	5,668	3,385
Total Feed	133,203	115,432	Total Ingredients	27,535	23,723

Source: West Virginia Department of Agriculture.

* Footnotes for the **WEST VIRGINIA FARM INCOME INDICATORS: 1984-1988** table, located on page 32.

1/ Includes operator dwellings.

2/ Includes forest product sales, recreational income, and other farm business-related income. Estimates for 1982 and later include income from custom feeding services.

3/ Includes machine hire and customwork expenses; marketing, storage, and transportation expenses; and miscellaneous expenses. Definition and data sources for 1978 and later are not directly compatible with those of earlier years.

4/ Includes contract labor expenses, hired labor wages, and Social Security payments.

5/ Uses different data sources among the period before 1979, 1979-83, and 1984 and later. Estimates are not directly compatible among periods.

6/ Excludes operator dwellings.

7/ Cash income less cash expenses and capital consumation.

8/ Gross farm income less rental value of operator dwellings.

9/ Gross receipts of farms less nonfactor payments, interest, contract and hired labor expenses, and net rent to nonoperator landlords.

10/ Includes off-farm income for members of farm operator's family.

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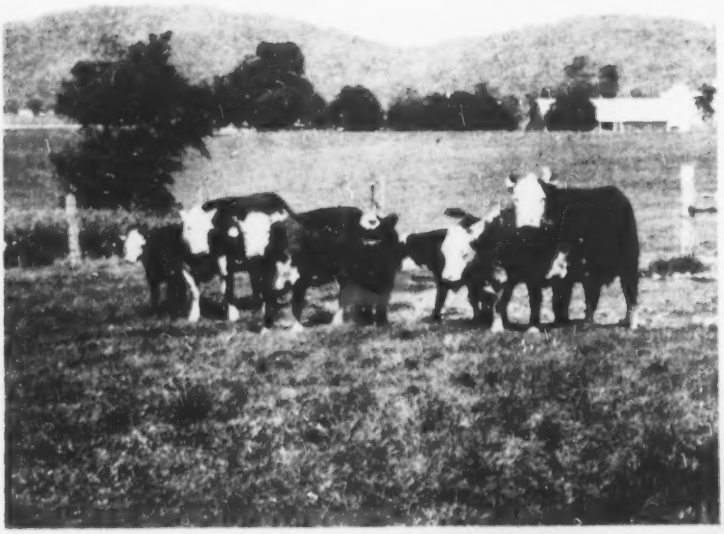
West Virginia Agricultural Statistics 1990



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West Virginia Agricultural Statistics

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A Cooperative Function Of
West Virginia Department of Agriculture
Cleve Benedict, Commissioner
and
U.S. Department of Agriculture
National Agricultural Statistics Service
Charles E. Caudill, Administrator

* * * * * *

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West Virginia agriculture is growing, and growing at a strong, healthy rate.

Moreover, the responsibilities of this Department—fostering the agricultural environment, presenting educational services, safeguarding the accuracy of feed and fertilizer labels, and protecting the wholesomeness of food—are growing along with it

How much is this responsibility worth? It might surprise even some West Virginians that the dollar value of the state's agricultural production and its livestock inventory exceeded $640 million in 1989. That represented an $43 million gain from 1988, a gain of 7.2 percent.

Agricultural production increased at a higher rate. West Virginia crop and livestock production and greenhouse, nursery and wood lot production increased from a total of $340.1 million to $370.3 million, an increase of $30.2 million, or 8.9 percent.

Cattle and calves production increased from $102.2 million to $107.9 million. Cattle and calves inventory value grew from $247.5 million to $262.2 million.

Overall, some of this gain is recovery from the drought of 1988. However, much of it is real gain, and there is more to come. Plans by Rockingham Poultry Inc. to double its work force in the next two years at the Moorefield poultry plant will also require 357 new grower contractors. And we are hoping Performance Advantage Sales and veterinary certified sales will bring higher prices for feeder calves as those methods settle in and are adopted by cattlemen.

A good friend of agriculture in West Virginia, Sen. Fred Parker, has said we in West Virginia have some of the most fertile soils anywhere and produce some of the best crops. The problem is we have to work harder to get buyers to come and look at the product.

This remains the commitment of the West Virginia Department of Agriculture. We will provide professional expertise to continue to attract buyers to the state and the technical expertise to help the farmer with his herd health management, his soil and his farm management.

To acquaint you a little more with the scope of the Department's work, a summary of the 1988-89 Annual Report has been included in the back of this volume.

The Department has been asked to carry out more and more responsibilities with fewer dollars. The 7.2 percent growth in livestock inventory and agricultural production was met with a 7.5 percent reduction in the Department's budget. While the resources that are "at risk" have been growing, the budget that protects them has been cut.

There are no shortages of challenges in state government, I have found since leaving my family dairy in Greenbrier County and returning to the Capitol. But like agriculture, those with a pragmatic, case-hardened approach will see that the job gets done.

Kind regards,

Cleve Benedict
Commissioner of Agriculture

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General

West Virginia's Rank In The Nation's Agriculture—1989

Crops, Livestock and Livestock Products	Rank Among States	Production	Unit	Value of Production	Leading State
Apples	11	115,000,000	Lbs.	11,310,000	Washington
Peaches	15	9,000,000	Lbs.	2,301,000	California
Tobacco	15	1,885,000	Lbs.	3,114,000	North Carolina
Corn for Grain	36	4,370,000	Bu.	10,051,000	Iowa
Corn for Silage	31	589,000	Tons	-	Wisconsin
Alfalfa	33	203,000	Tons	-	Wisconsin
Other Hay	27	833,000	Tons	-	Texas
All Hay	36	1,036,000	Tons	77,182,000	Texas
Oats for Grain	34	300,000	Bu.	435,000	Iowa
Winter Wheat	41	516,000	Bu.	1,987,000	Kansas
Sheep & Lambs	28	5,413,000	Lbs.	2,657,000	Texas
Wool	29	434,000	Lbs.	352,000	Texas
Hogs & Pigs	36	15,245,000	Lbs.	6,168,000	Iowa
Cattle & Calves	39	157,345,000	Lbs.	107,892,000	Texas
Eggs	42	121,000,000	Eggs	10,285,000	California
Milk & Milk Products	45	279,000,000	Lbs.	38,650,000	Wisconsin

Number of Farms, Land in Farms, and Average Size West Virginia and Nation 1/

Year	West Virginia			United States		
	Number of Farms	Land in Farms	Average Size of Farm	Number of Farms	Land in Farms	Average Size of Farm
	-- Thousand --	-- Thou. Acres --	-- Acres --	--Thousand --	-- Thou. Acres --	-- Acres --
1981	22,200	4,500	203	2,440	1,034,190	424
1982	22,300	4,300	193	2,407	1,027,795	427
1983	22,800	4,000	175	2,379	1,023,425	430
1984	22,000	3,800	173	2,334	1,017,803	436
1985	21,000	3,600	171	2,293	1,012,073	441
1986	21,000	3,700	176	2,250	1,005,333	447
1987	21,000	3,700	176	2,213	998,923	451
1988	21,000	3,700	176	2,197	994,543	453
1989	21,000	3,700	176	2,173	991,473	456

1/ A Farm is an establishment that as of June 1 sold or would normally have sold $1,000 or more of agricultural products during the year

LAND VALUES: Average Value Per Acre of Farmland and Buildings, Selected States, 1984-90 1/

State	As of April 1		As of February 1				As of January 1	Percent Change
	1984	1985	1986	1987	1988	1989	1990	1989-90
				Dollars				Percent
Appalachia	1,107	1,035	1,025	1,004	1,037	1,095	1,171	7
West Virginia	698	607	616	633	682	716	652	-9
Virginia	1,125	1,112	1,179	1,154	1,198	1,354	1,597	18
North Carolina	1,429	1,331	1,254	1,259	1,263	1,339	1,325	-1
Kentucky	1,034	955	941	878	896	923	1,034	12
Tennessee	1,024	944	935	936	1,001	1,021	1,052	3

1/ 1984-1989 Revised.

WEST VIRGINIA AGRICULTURAL STATISTICS
RECORD HIGHS AND LOWS

Item	Unit	Record High		Record Low		Year Record
		Quantity	Year 1/	Quantity	Year 1/	Started
ALL CORN						
Harvested for grain	(000) Acres	729	1900	40	1988	1879
Grain yield	Bushels	105.0	1985	12.5	1930	1879
Grain production	(000) Bushels	19,683	1896	2,256	1966	1879
Harvested for silage	(000) Acres	43	1977	9	1946	1919
Silage yield	Tons	17.0	1985	4.5	1930	1919
Silage production	(000) Tons	636	1980	88	1944	1919
Forage 2/	(000) Acres	16	1924	1	1981	1919
ALL HAY						
Harvested	(000) Acres	844	1943	550	1988	1909
Yield	Tons	2.02	1985	.50	1911	1909
Production	(000) Tons	1,230	1985	334	1911	1909
OTHER HAY						
Harvested	(000) Acres	540	1983	90	1919	1919
Yield	Tons	1.80	1985	.55	1930	1919
Production	(000) Tons	900	1985	67	1930	1919
ALFALFA						
Harvested	(000) Acres	140	1956	5	1921	1919
Yield	Tons	3.00	1985	1.05	1930	1919
Production	(000) Tons	330	1985	8	1930	1919
ALL WHEAT						
Harvested	(000) Acres	448	1899	8	1985	1866
Yield	Bushels	46.0	1988	6.0	1885	1866
Production	(000) Bushels	5,535	1897	279	1973	1866
OATS						
Harvested	(000) Acres	188	1921	6	1989	1866
Yield	Bushels	61.0	1985	10.0	1890	1866
Production	(000) Bushels	4,784	1920	288	1988	1866
TOBACCO						
Harvested	(000) Acres	19.0	1910	1.2	1980	1866
Yield	Pounds	2,020	1977	420	1887	1866
Production	(000) Pounds	14,400	1909	1,160	1867	1866
CATTLE						
All Cattle & Calves Jan. 1	(000) Head	628	1944	362	1868	1867
Milk Cows, Jan. 1 3/	(000) Head	262	1935	25	1990	1867
Calves born	(000) Head	286	1955	176	1927	1924
HOGS						
All Hogs, Dec. 1	(000) Head	425	1880	32	1989	1867
All Sows farrowed						
Dec.-May farrowed	(000) Head	32	1943	2.4	1986	1924
June-Nov. farrowed	(000) Head	40	1943	1.6	1985	1924
Total Pigs	(000) Head	497	1943	30	1985	1924
SHEEP						
All Sheep & Lambs, Jan. 1	(000) Head	800	1885	76	1985	1867
Lambs born	(000) Head	558	1933	69	1989	1924
CHICKENS	(000) Head	5,451	1944	670	1986	1924

1/ In case of a tie, the most recent year was used.
2/ Estimate discontinued in 1987.
3/ Prior to 1970 was cows two years old and older. Since 1970, cows calved.

West Virginia County Rankings
1988 Crop and Livestock Production

County	Hay	Corn	Wheat	Oats	Tobacco	All Cattle	Milk Cows	Hogs	Sheep	Wool	Chickens
Barbour	13	-	22	17	-	15	13	25	21	24	25
Berkeley	5	4	2	3	-	10	5	1	26	26	3
Boone	52	-	-	-	-	54	-	-	-	-	38
Braxton	21	-	-	-	-	20	41	20	14	17	27
Brooke	43	25	-	11	-	48	14	-	38	36	51
Cabell	42	-	13	-	4	42	41	30	44	43	43
Calhoun	41	-	-	-	-	39	44	42	-	-	46
Clay	50	-	-	-	-	46	-	-	-	-	49
Doddridge	34	-	-	-	-	37	36	40	32	35	33
Fayette	37	-	-	23	-	35	24	33	20	25	50
Gilmer	31	-	-	-	-	29	40	38	15	16	38
Grant	14	15	20	19	-	12	26	12	5	5	5
Greenbrier	2	7	5	14	-	1	6	10	7	7	13
Hampshire	9	-	7	4	-	9	32	6	9	9	2
Hancock	49	9	18	16	-	50	-	45	42	42	10
Hardy	11	5	3	5	-	3	11	2	4	4	1
Harrison	15	-	28	-	-	11	14	31	35	30	13
Jackson	12	13	16	22	5	13	24	17	15	14	19
Jefferson	8	1	1	2	-	6	1	4	15	15	10
Kanawha	46	-	-	-	-	44	-	24	41	41	10
Lewis	17	-	25	-	-	16	22	33	10	10	16
Lincoln	47	19	23	29	1	43	35	20	45	-	22
Logan	53	-	-	-	-	52	38	-	-	-	54
Marion	32	-	-	-	-	28	19	28	32	32	28
Marshall	22	24	-	21	-	21	7	20	13	11	20
Mason	7	3	4	10	2	6	2	4	24	23	6
McDowell	54	-	-	-	-	55	-	-	-	-	55
Mercer	25	20	12	23	-	30	-	40	26	26	38
Mineral	18	16	14	9	-	23	12	14	12	13	4
Mingo	54	-	-	-	-	53	-	45	-	-	28
Monongalia	23	-	-	18	-	18	18	27	11	12	16
Monroe	4	2	6	6	6	2	4	11	6	6	13
Morgan	40	17	8	12	-	44	31	20	-	-	28
Nicholas	29	-	25	26	-	26	21	31	26	29	7
Ohio	36	14	18	13	-	38	8	16	36	37	46
Pendleton	1	8	10	8	-	4	17	3	1	1	16
Pleasants	44	22	25	-	-	47	-	45	-	-	51
Pocahontas	10	10	15	7	-	8	28	8	2	2	9
Preston	3	6	17	1	-	5	3	8	8	8	8
Putnam	33	18	21	20	3	33	33	25	37	40	22
Raleigh	38	-	-	25	-	34	36	15	30	30	46
Randolph	6	10	-	15	-	13	9	6	3	3	44
Ritchie	27	-	-	-	-	26	44	33	21	21	33
Roane	20	-	-	-	8	17	44	42	18	19	38
Summers	19	-	9	-	-	25	16	18	32	32	36
Taylor	23	-	-	-	-	21	28	45	43	44	51
Tucker	35	-	-	-	-	36	38	33	21	20	22
Tyler	28	21	24	-	-	31	10	18	30	26	44
Upshur	25	-	-	-	-	23	28	33	26	32	28
Wayne	45	23	-	-	9	40	26	44	-	-	28
Webster	48	-	-	28	-	49	41	45	38	39	36
Wetzel	39	-	-	-	-	41	33	29	18	18	33
Wirt	30	-	-	-	7	32	19	38	38	38	38
Wood	16	12	11	27	10	18	22	13	24	22	20
Wyoming	51	-	-	-	-	51	-	-	-	-	25

West Virginia

Crop Reporting Districts

DISTRICT 2
NORTHWEST

Barbour	Ohio
Brooke	Pleasants
Doddridge	Preston
Hancock	Ritchie
Harrison	Taylor
Lewis	Tyler
Marion	Upshur
Marshall	Wetzel
Monongalia	Wood

DISTRICT 4
SOUTHWEST

Boone	Mason
Braxton	McDowell
Cabell	Mercer
Calhoun	Mingo
Clay	Nicholas
Fayette	Putnam
Gilmer	Raleigh
Jackson	Roane
Kanawha	Wayne
Lincoln	Webster
Logan	Wirt
Wyoming	

DISTRICT 6
EAST

Berkely	Monroe
Grant	Morgan
Greenbrier	Pendleton
Hampshire	Pocahontas
Hardy	Randolph
Jefferson	Summers
Mineral	Tucker

1989 WEATHER SUMMARY

Temperatures: Temperatures in West Virginia during 1989 were generally below normal. Record lows during December contributed the most. Annual averages for the 15 reporting stations across the State ranged from 2.4 degrees above to 1.5 degrees below normal.

Temperatures during the winter of 1989 were generally above normal. Readings were slightly more than 7 degrees above normal for January and 1 to 2 degrees warmer than usual through March. Around mid-April temperatures dropped 7 to 10 degrees below normal causing freeze damage to the apple and peach crops. With the exception of August, summer and fall temperatures from June through November were mostly 1 to 3 degrees above normal. As December closed out the year, record lows were observed averaging 9 to 10 degrees below normal. The third week was the coldest with temperatures averaging 18 to 27 degrees below normal. On the 24th, 33 degrees below zero was reported at Glady and Cheat Bridge in Randolph county. The last week of December temperatures rebounded to average 3 to 4 degrees below normal.

Precipitation: Comparing the amount of rainfall received in West Virginia during 1989 to 1988, would be like talking about the difference between day and night. As 1988 was considered one of the driest years in recent times, 1989 may be considered one of the wettest.

Total precipitation for the year was approximately 50.92 inches, 8.69 inches above normal. In 1989, a total of 32.28 inches fell, averaging 7.10 inches below normal. Precipitation during the winter was generally above normal with the exception of January when slightly below normal amounts fell. February and March averaged 1.42 and 1.03 inches above normal. After fairly normal rainfall in April, heavier amounts fell during May and June. May rainfall totaled 5.64 inches and June totaled 5.79 inches. For each of those months, the State received about 2.00 inches more than normal. For the remainder of the year, up to December, rain came frequently putting monthly totals around nine-tenths of an inch above average. December precipitation totaled 1.94 inches, 1.39 inches short of normal.

FREEZE DATES: Last Freeze Temperature in Spring and First in Fall, By State Divisions, 1987-1989

Division & Station	1987		1988		1989	
	Last In Spring	First In Fall	Last In Spring	First In Fall	Last In Spring	First In Fall
NORTH CENTRAL & NORTHWESTERN						
Weston	May 10	Sept. 27	May 2	Oct. 6	May 8	Oct. 5
Fairmont	May 5	Oct. 4	April 20	Oct. 6	April 24	Oct. 23
Middlebourne	May 1	Oct. 4	May 2	Oct. 6	May 4	Oct. 5
Parkersburg	April 10	Oct. 4	April 20	Oct. 6	April 20	Oct. 9
Creston 1/	May 6	Oct. 9	April 26	Msg	April 25	Nov. 4
SOUTHWESTERN & SOUTHERN						
Huntington	April 4	Oct. 4	April 25	Oct. 6	April 14	Nov. 3
Charleston	April 5	Oct. 9	April 25	Oct. 9	April 20	Nov. 3
Logan	Msg	Oct. 22	April 21	Oct. 13	April 14	Nov. 4
Union	May 9	Oct. 2	May 26	Oct. 6	May 12	Sept. 24
Beckley	April 10	Oct. 4	April 25	Oct. 5	May 8	Sept. 24
EAST CENTRAL & NORTHEASTERN						
Buckeye	May 9	Oct. 5	May 3	Oct. 6	May 8	Oct. 5
Elkins	May 9	Oct. 2	May 26	Oct. 6	May 9	Sept. 27
Bayard	May 9	Oct. 5	June 10	Oct. 6	May 7	Sept. 24
Wardensville	April 29	Oct. 5	May 1	Oct. 5	May 4	Sept. 24
Martinsburg	April 4	Oct. 9	April 26	Oct. 7	April 23	Sept. 28

Msg—Indicates available data insufficient to determine date.
1/ N. Cumberland for 1987 and 1988.
Source: National Oceanic Atmospheric Administration, Department of Commerce

MONTHLY AND ANNUAL AVERAGE TEMPERATURES:
By State Divisions and Selected Stations, January-December, 1989

Division & Station	County	January	February	March	April	May	June
		-- Fahrenheit --					
NORTH CENTRAL & NORTHWESTERN							
Weston	Lewis	36.5	32.0	43.6	47.9	56.1	69.6
Fairmont	Marion	37.4	31.0	43.9	48.9	56.9 M	69.0
Middlebourne	Tyler	37.9	31.7	44.9	49.5	58.2	70.3
Parkersburg	Wood	38.7	31.6	44.9	50.1	58.9	70.8
Creston	Wirt	40.5	35.5	47.9	51.6	61.2	74.7
SOUTHWESTERN & SOUTHERN							
Huntington	Cabell	40.7	34.6	47.6	54.1	59.9	71.4
Charleston	Kanawha	41.1	34.9	47.8	52.8	59.4	71.7
Logan	Logan	40.5	M	50.3	55.2	M	74.1
Union	Monroe	38.5	M	45.9 M	50.4	57.2	69.5
Beckley	Raleigh	38.6	32.9	45.8	50.3	56.1	68.3
EAST CENTRAL & NORTHEASTERN							
Buckeye	Pocahontas	32.0	30.8 M	41.1	45.9	54.0	66.8
Elkins	Randolph	35.5	29.5	42.5	45.6	54.8	67.0
Bayard	Grant	33.6	29.2	39.7	45.5	54.3	65.6
Wardensville	Hardy	36.1	33.2	40.3	47.7	57.6	70.1
Martinsburg	Berkeley	36.7	33.8	42.0	51.8	60.4	72.0

Division & Station	July	August	September	October	November	December	Annual Average	Departure from Normal
	--- Fahrenheit ---							
NORTH CENTRAL & NORTHWESTERN								
Weston	73.2	70.2	64.3	52.5	41.2	21.0	50.7	-1.5
Fairmont	74.0	70.8	65.0	54.4	42.3	21.4	51.3 M	-1.0
Middlebourne	74.4	71.3	65.5	54.1	43.4	20.8	51.8	- .2
Parkersburg	75.3	72.0	66.6	54.7	43.5	21.3	52.4	-1.2
Creston	78.1	75.2	69.7	57.8	43.8	21.1	54.8	M
SOUTHWESTERN & SOUTHERN								
Huntington	75.6	73.8	67.3	56.4	46.3	25.6	54.4	-.8
Charleston	75.7	73.2	67.0	56.7	46.4	26.0	54.4	-.4
Logan	77.5	75.8	69.8	57.2	46.3	27.1	57.4 1/	M
Union	71.7	69.2	64.2	54.0	42.2	23.2	53.3 2/	2.4
Beckley	71.5	69.1	63.2	54.1	43.1	22.9	51.3	.3
EAST CENTRAL & NORTHEASTERN								
Buckeye	70.0	67.4	62.4	51.3	38.3	17.5	48.1 M	M
Elkins	71.2	68.0	63.1	51.4	39.6	18.4	48.9	-.5
Bayard	68.8	65.8	60.5	49.8	39.2	19.2	47.6	.6
Wardensville	73.0	70.2	64.2	54.3	41.5	22.0	50.9	-.5
Martinsburg	74.4	72.4	66.1	55.3	42.6	23.2	52.6	-.6

M—Insufficient or partial data.
1/ Average temperature for 10 months.
2/ Average temperature for 11 months.
SOURCE: National Oceanic Atmospheric Administration, Department of Commerce

MONTHLY AND ANNUAL PRECIPITATION:
By State Divisions and Selected Stations, January-December, 1989

Division & Station	County	January	February	March	April	May	June
		--- Inches ---					
NORTH CENTRAL & NORTHWESTERN							
Weston	Lewis	4.50	5.31	6.77	5.37	5.59	7.83
Fairmont	Marion	2.56	4.11	6.10	4.05	6.05	6.26
Middlebourne	Tyler	4.05	5.62	6.05	5.29	5.47	6.32
Parkersburg	Wood	3.46	5.34	6.45	5.12	4.91	5.03
Creston	Wirt	4.13	6.54	4.92	4.86	6.07	5.57
SOUTHWESTERN & SOUTHERN							
Huntington	Cabell	3.60	8.67	5.83	3.73	3.96	5.49
Charleston	Kanawha	2.92	6.05	5.81	4.13	6.79	7.54
Logan	Logan	2.92	M	4.31	5.11	M	7.48
Union	Monroe	1.77	M	2.06	2.88	3.77	5.33
Beckley	Raleigh	2.97	3.27	3.39	4.29	4.55	3.56
EAST CENTRAL & NORTHEASTERN							
Buckeye	Pocahontas	3.66	3.38	4.56	5.90	6.20	5.31
Elkins	Randolph	3.78	3.82	5.52	4.10	6.09	5.94
Bayard	Grant	3.81	4.28	5.73	2.59	5.58	6.59
Wardensville	Hardy	1.11	1.53	3.83	.78	5.19	5.49
Martinsburg	Berkeley	2.24	2.21	4.28	1.05	8.70	3.05

Division & Station	July	August	September	October	November	December	Annual Total	Departure from Normal
	--- Inches ---							
NORTH CENTRAL & NORTHWESTERN								
Weston	4.69	6.60	3.24	4.48	4.24	2.20	60.82	10.43
Fairmont	6.03	5.11	4.02	5.39	2.64	2.50	54.82	11.57
Middlebourne	4.01	4.67	5.27	4.71	2.35	1.50	55.31	12.10
Parkersburg	3.00	7.93	6.56	4.78	1.53	1.96	56.07	15.40
Creston	3.99	4.38	5.53	4.33	3.41	1.64 M	55.37 M	13.46
SOUTHWESTERN & SOUTHERN								
Huntington	6.48	6.93	6.32	4.30	2.39	2.28	59.98	19.24
Charleston	3.04	5.62	7.28	4.09	2.87	1.83	57.97	15.54
Logan	3.38	3.96	5.90	5.19	1.85	2.15 M	42.25 1/	M
Union	3.38	3.08	6.39	5.11	3.01	1.43	38.21 2/	5.27
Beckley	4.27	4.46	3.36	5.25	2.05	2.39	43.81	1.68
EAST CENTRAL & NORTHEASTERN								
Buckeye	5.15	8.48	3.38	4.25	3.45	2.43	56.15	12.34
Elkins	5.31	7.98	2.17	3.75	3.65	3.03	55.14	12.29
Bayard	7.23	5.02	4.10	3.25	3.82	2.03	54.03	6.21
Wardensville	5.12	2.26	3.15	3.19	3.14	.51	35.30	.59
Martinsburg	5.74	.97	1.67	4.98	2.35	1.36	38.60	2.16

M—Insufficient or partial data.
1/ Total for 10 months.
2/ Total for 11 months.
SOURCE: National Oceanic Atmospheric Administration, Department of Commerce.

1989 FIELD CROP SUMMARY

General: During 1989, crop yields in West Virginia improved significantly from the previous year. As precipitation increased by 58 percent from the drought year of 1988, oats, hay and corn yields increased from 4 to 63 percent from 1988. Despite the increased amounts of rainfall, winter wheat and tobacco yields suffered. Excessive soil moisture delayed harvesting of winter wheat, allowing the crop to show some deterioration as it stood in the field. Tobacco growth was stunted by excessive moisture in many fields with poor drainage.

All Hay: All hay production in West Virginia totaled 1.04 million tons, up 32 percent from the previous year. Yield of all hay averaged 1.85 tons per acre, compared to 1.43 tons per acre in 1988. Area harvested of all hay in 1989 was 560,000 acres, up 10,000 acres from 1988.

Alfalfa and Alfalfa Mixtures: Alfafa hay production totaled 203,000 tons, up 26 percent from 1988. The yield averaged 2.90 tons per acre in 1989, compared to 2.30 tons per acre the previous year. Area harvested was 70,000 acres, unchanged from 1988.

All Other Hay: All other hay production totaled 833,000 tons, up 33 percent from a year ago. Yield per acre of all other hay was 1.70 tons per acre, up from 1.30 tons per acre in 1988. Area harvested was 490,000 acres, up 10,000 acres from 1988.

Corn: West Virginia corn growers planted 85,000 acres of corn in 1989, the same as in 1988. The corn area harvested for grain was 46,000 acres, up from 40,000 acres in 1988. Grain production was estimated at 4,370,000 bushels, up 88 percent from the previous year. The yield was 95 bushels per acre, up 37 bushels per acre from 1988. Corn silage was cut from 38,000 acres in 1989, 1,000 acres more than the previous year. The average yield for silage corn was 15.5 tons per acre, nearly double the 8.5 tons per acre in 1988.

Winter Wheat: Production of winter wheat was 516,000 bushels, an increase of 25 percent from 1988, due to the increased acres harvested; from 9,000 acres in 1988 to 12,000 acres in 1989. The yield was 43 bushels per acre, down 3 bushels from the record high yield of 1988.

Oats: West Virginia oats production was estimated at 300,000 bushels, up 12,000 bushels from 1988. Oats planted area was 10,000 acres in 1989, and the area harvested was 6,000 acres, both unchanged from the previous year. The oats yield was 50 bushels per acre, up 2 bushels from 1988.

Tobacco (Burley): Burley tobacco production was 1.89 million pounds for 1989, down 31 percent from 1988. Tobacco producers harvested 1,450 acres, 250 acres less than the previous year. Yield per acre for burley tobacco averaged 1,300 pounds, down 300 pounds from 1988. Wet conditions early in the growing season delayed setting and some fields were flooded.

HAY: Acreage, Yield and Production, By Kinds, 1980-1989

Year	Alfalfa & Alfalfa Mixtures			All Other Hay		
	Acreage	Yield Per Acre	Production	Acreage	Yield Per Acre	Production
	-- (000) Acres --	-- Tons --	-- (000) Tons --	--(000) Acres --	-- Tons --	-- (000) Tons --
1980	80	2.55	204	515	1.50	773
1981	80	2.45	196	540	1.15	621
1982	90	2.60	234	540	1.20	648
1983	100	2.70	270	540	1.10	594
1984	100	2.80	280	530	1.60	848
1985	110	3.00	330	500	1.80	900
1986	90	2.50	225	480	1.20	576
1987	80	2.80	224	470 1/	1.40	658 1/
1988	70	2.30	161	480 1/	1.30	624 1/
1989	70	2.90	203	490	1.70	833

1/ Revised

ALL HAY: Acreage, Yield, Production, Value and Stocks, 1980-1989

Year	Production					On Farm Hay Stocks 1/	
	Acreage Harvested	Yield Per Acre	Total	Avg. Price Per Ton	Value of Production	January 1 2/	May 1
	-- (000) Acres --	-- Tons --	-- (000) Tons --	-- Dollars --	-- (000) Dollars --	-- (000) Tons --	
1980	595	1.64	977	61.00	59,597	762	156
1981	620	1.32	817	63.00	51,471	637	106
1982	630	1.40	882	64.00	56,448	706	123
1983	640	1.35	864	71.00	61,344	657	190
1984	630	1.79	1,128	70.00	78,960	790	192
1985	610	2.02	1,230	60.00	73,800	800	172
1986	570	1.41	801	55.00	44,055	761	128
1987 3/	550	1.60	882	59.00	52,038	794	132
1988 3/	550	1.43	785	78.00	61,230	667	133
1989	560	1.85	1,036	74.50	77,182	984	228

1/ Stored the following year.
2/ Survey date changed to December 1, beginning in 1986.
3/ Revised.

PASTURE CONDITION: Percent of Normal, April-November, 1980-1989

Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.
	-- Percent of Normal First of Month --							
1980	76	84	93	92	89	92	85	77
1981	71	85	88	93	89	74	77	72
1982	78	72	72	84	84	83	75	73
1983	79	76	90	90	78	54	52	62
1984	71	75	86	74	81	87	74	79
1985	85	83	89	90	87	88	64	71
1986	1/	71	76	68	70	64	71	66
1987	-	83	90	85	69	36	69	70
1988	-	77	89	45	43	49	65	72
1989	-	74	90	92	93	93	92	90

1/ Estimate discontinued.

ALL HAY: Acreage, Yield and Production, By Counties, 1988-1989

County	1988			1989		
	Harvested	Yield Per Acre	Production	Harvested	Yield Per Acre	Production
	-- Acres --		-- Tons --	-- Acres --		-- Tons --
Barbour	18,400	1.4	25,700	17,500	1.7	28,900
Brooke	3,100	1.7	5,400	3,000	1.9	5,600
Doddridge	6,800	1.3	8,900	6,950	1.7	11,500
Hancock	1,800	1.9	3,500	1,800	1.7	3,000
Harrison	18,500	1.5	27,600	17,700	1.4	24,900
Lewis	14,700	1.3	19,500	14,850	1.6	23,100
Marion	9,850	1.5	14,700	9,400	1.2	11,700
Marshall	12,950	1.9	24,400	13,600	1.3	18,200
Monongalia	11,900	1.8	21,700	12,300	1.4	17,300
Ohio	5,800	2.3	13,400	6,100	1.7	10,500
Pleasants	2,800	1.6	4,600	2,800	1.6	4,400
Preston	28,700	2.0	57,300	30,800	1.8	54,000
Ritchie	12,550	1.3	15,900	12,500	1.2	15,100
Taylor	8,400	1.5	13,000	8,700	2.0	17,300
Tyler	10,200	1.7	17,600	9,800	1.4	13,400
Upshur	11,650	1.2	13,800	11,350	1.4	15,600
Wetzel	6,700	1.5	10,300	6,650	1.2	8,300
Wood	12,700	1.9	23,700	13,200	1.8	23,200
NORTHWEST	197,500	1.6	321,000	199,000	1.5	306,000
Boone	280	1.3	350	270	1.9	500
Braxton	12,690	1.6	20,400	12,650	1.5	19,400
Cabell	3,750	1.3	4,700	3,600	1.6	5,800
Calhoun	4,700	1.0	4,900	4,500	1.5	6,700
Clay	1,860	1.0	1,900	1,960	1.4	2,800
Fayette	5,750	1.2	6,800	5,600	1.7	9,600
Gilmer	8,550	1.6	13,500	8,000	1.5	11,800
Jackson	18,900	1.2	23,100	20,200	1.6	33,200
Kanawha	2,590	1.0	2,700	2,580	1.3	3,400
Lincoln	1,900	1.0	1,900	1,900	1.7	3,200
Logan	100	2.0	200	70	2.1	150
McDowell	25	2.0	50	25	2.0	50
Mason	16,700	1.3	21,700	17,000	2.4	41,500
Mercer	7,200	1.3	9,200	7,050	2.2	15,600
Mingo	25	2.0	50	25	2.0	50
Nicholas	7,300	1.1	8,000	7,450	1.7	12,900
Putnam	6,500	1.3	8,400	6,750	1.7	11,600
Raleigh	5,750	1.2	6,800	5,950	1.6	9,400
Roane	14,350	1.1	15,700	15,400	1.4	21,800
Wayne	2,350	1.3	3,000	2,400	1.7	4,100
Webster	1,830	1.2	2,200	1,700	1.8	3,100
Wirt	7,250	1.2	8,650	7,800	1.6	12,500
Wyoming	650	1.2	800	620	1.4	850
SOUTHWEST	131,000	1.3	165,000	133,500	1.7	230,000
Berkeley	17,400	1.4	24,400	18,300	2.5	46,400
Grant	13,900	1.2	17,100	14,600	2.0	28,500
Greenbrier	28,000	1.3	37,600	29,000	2.0	58,900
Hampshire	22,100	1.3	29,800	22,300	1.7	38,300
Hardy	15,800	1.6	24,500	16,100	2.2	35,700
Jefferson	15,800	1.6	25,400	15,700	2.5	39,400
Mineral	11,900	1.3	15,200	12,300	1.9	22,800
Monroe	22,300	1.4	31,200	22,400	2.2	48,500
Morgan	4,500	1.2	5,200	4,450	1.8	7,900
Pendleton	21,400	1.6	33,600	22,000	2.8	61,200
Pocahontas	17,700	1.2	22,100	18,100	2.1	37,500
Randolph	17,000	1.0	16,500	17,700	2.4	42,000
Summers	8,000	1.1	9,100	8,550	2.6	22,300
Tucker	5,700	1.3	7,300	6,000	1.8	10,600
EAST	221,500	1.3	299,000	227,500	2.2	500,000
STATE	550,000	1.4	785,000	560,000	1.9	1,036,000

ALFALFA HAY: Acreage, Yield and Production, By Counties, 1988-1989

County	1988			1989		
	Harvested	Yield Per Acre	Production	Harvested	Yield Per Acre	Production
	-- Acres --		-- Tons --	-- Acres --		-- Tons --
Barbour	1,100	1.8	2,000	1,000	2.5	2,500
Brooke	1,400	2.1	3,000	1,400	2.1	2,900
Doddridge	400	1.5	600	350	2.0	700
Hancock	700	2.6	1,800	600	2.0	1,200
Harrison	1,700	1.5	2,600	1,800	1.6	2,900
Lewis	700	2.1	1,500	650	2.5	1,600
Marion	650	2.2	1,400	600	2.0	1,200
Marshall	2,350	3.0	7,100	2,500	2.0	4,900
Monongalia	1,400	3.0	4,200	1,200	2.4	2,900
Ohio	3,400	2.9	9,900	3,600	2.0	7,100
Pleasants	300	2.7	800	300	2.3	700
Preston	5,500	2.5	13,600	5,400	2.8	15,000
Ritchie	750	1.5	1,100	600	2.0	1,200
Taylor	800	1.6	1,300	700	2.4	1,700
Tyler	700	2.1	1,500	700	2.7	1,900
Upshur	650	1.4	900	550	1.6	900
Wetzel	800	2.1	1,700	750	2.7	2,000
Wood	1,200	3.3	4,000	1,300	2.1	2,700
NORTHWEST	24,500	2.4	59,000	24,000	2.3	54,000
Boone	80	1.9	150	70	2.9	200
Braxton	690	1.6	1,100	550	2.7	1,500
Cabell	450	2.0	900	400	3.0	1,200
Calhoun	300	1.7	500	300	3.0	900
Clay	160	1.3	200	160	3.1	500
Fayette	750	1.6	1,200	700	2.1	1,500
Gilmer	450	1.6	700	400	2.5	1,000
Jackson	1,200	2.0	2,400	1,300	2.5	3,200
Kanawha	190	1.6	300	180	2.8	500
Lincoln	200	2.0	400	200	3.0	600
Logan	50	2.0	100	20	2.5	50
Mason	2,500	1.7	4,300	2,500	3.0	7,500
Mercer	600	1.8	1,100	550	2.7	1,500
Nicholas	900	1.8	1,600	850	2.2	1,900
Putnam	600	1.5	900	550	2.9	1,600
Raleigh	950	1.9	1,800	950	2.6	2,500
Roane	950	1.5	1,400	900	2.4	2,200
Wayne	350	2.3	800	300	2.7	800
Webster	130	1.5	200	100	3.0	300
Wirt	450	1.9	850	500	3.0	1,500
Wyoming	50	2.0	100	20	2.5	50
SOUTHWEST	12,000	1.8	21,000	11,500	2.7	31,000
Berkeley	4,100	2.9	11,700	4,200	4.5	18,800
Grant	1,400	1.9	2,700	1,400	3.1	4,400
Greenbrier	4,200	2.5	10,600	4,600	2.7	12,200
Hampshire	1,700	2.4	4,000	1,700	3.1	5,300
Hardy	1,200	2.9	3,500	1,300	3.7	4,800
Jefferson	4,600	2.5	11,500	4,800	4.3	20,400
Mineral	2,000	1.9	3,800	1,900	2.8	5,300
Monroe	4,700	2.2	10,300	4,800	2.9	13,900
Morgan	300	2.3	700	450	3.1	1,400
Pendleton	3,300	2.8	9,200	3,400	4.2	14,200
Pocahontas	2,500	2.1	5,300	2,400	3.0	7,100
Randolph	1,500	2.3	3,500	1,500	3.1	4,600
Summers	1,000	1.9	1,900	1,050	2.5	2,600
Tucker	1,000	2.3	2,300	1,000	3.0	3,000
EAST	33,500	2.4	81,000	34,500	3.4	118,000
STATE	70,000	2.3	161,000	70,000	2.9	203,000

OTHER HAY: Acreage, Yield and Production, By Counties, 1988-1989

County	1988			1989		
	Harvested	Yield Per Acre	Production	Harvested	Yield Per Acre	Production
	-- Acres --		-- Tons --	-- Acres --		-- Tons --
Barbour	17,300	1.4	23,700	16,500	1.6	26,400
Brooke	1,700	1.4	2,400	1,600	1.7	2,700
Doddridge	6,400	1.3	8,300	6,600	1.6	10,800
Hancock	1,100	1.5	1,700	1,200	1.5	1,800
Harrison	16,800	1.5	25,000	15,900	1.4	22,000
Lewis	14,000	1.3	18,000	14,200	1.5	21,500
Marion	9,200	1.4	13,300	8,800	1.2	10,500
Marshall	10,600	1.6	17,300	11,100	1.2	13,300
Monongalia	10,500	1.7	17,500	11,100	1.3	14,400
Ohio	2,400	1.5	3,500	2,500	1.4	3,400
Pleasants	2,500	1.5	3,800	2,500	1.5	3,700
Preston	23,200	1.9	43,700	25,400	1.5	39,000
Ritchie	11,800	1.3	14,800	11,900	1.2	13,900
Taylor	7,600	1.5	11,700	8,000	2.0	15,600
Tyler	9,500	1.7	16,100	9,100	1.3	11,500
Upshur	11,000	1.2	12,900	10,800	1.4	14,700
Wetzel	5,900	1.5	8,600	5,900	1.1	6,300
Wood	11,500	1.7	19,700	11,900	1.7	20,500
NORTHWEST	173,000	1.5	262,000	175,000	1.4	252,000
Boone	200	1.0	200	200	1.5	300
Braxton	12,000	1.6	19,300	12,100	1.5	17,900
Cabell	3,300	1.2	3,800	3,200	1.4	4,600
Calhoun	4,400	1.0	4,400	4,200	1.4	5,800
Clay	1,700	1.0	1,700	1,800	1.3	2,300
Fayette	5,000	1.1	5,600	4,900	1.7	8,100
Gilmer	8,100	1.6	12,800	7,600	1.4	10,800
Jackson	17,700	1.2	20,700	18,900	1.6	30,000
Kanawha	2,400	1.0	2,400	2,400	1.2	2,900
Lincoln	1,700	0.9	1,500	1,700	1.5	2,600
Logan	50	2.0	100	50	2.0	100
McDowell	25	2.0	50	25	2.0	50
Mason	14,200	1.2	17,400	14,500	2.3	34,000
Mercer	6,600	1.2	8,100	6,500	2.2	14,100
Mingo	25	2.0	50	25	2.0	50
Nicholas	6,400	1.0	6,400	6,600	1.7	11,000
Putnam	5,900	1.3	7,500	6,200	1.6	10,000
Raleigh	4,800	1.0	5,000	5,000	1.4	6,900
Roane	13,400	1.1	14,300	14,500	1.4	19,600
Wayne	2,000	1.1	2,200	2,100	1.6	3,300
Webster	1,700	1.2	2,000	1,600	1.8	2,800
Wirt	6,800	1.1	7,800	7,300	1.5	11,000
Wyoming	600	1.2	700	600	1.3	800
SOUTHWEST	119,000	1.2	144,000	122,000	1.6	199,000
Berkeley	13,300	1.0	12,700	14,100	2.0	27,600
Grant	12,500	1.2	14,400	13,200	1.8	24,100
Greenbrier	23,800	1.1	27,000	24,400	1.9	46,700
Hampshire	20,400	1.3	25,800	20,600	1.6	33,000
Hardy	14,600	1.4	21,000	14,800	2.1	30,900
Jefferson	11,200	1.2	13,900	10,900	1.7	19,000
Mineral	9,900	1.2	11,400	10,400	1.7	17,500
Monroe	17,600	1.2	20,900	17,600	2.0	34,600
Morgan	4,200	1.1	4,500	4,000	1.6	6,500
Pendleton	18,100	1.3	24,400	18,600	2.5	47,000
Pocahontas	15,200	1.1	16,800	15,700	1.9	30,400
Randolph	15,500	0.8	13,000	16,200	2.3	37,400
Summers	7,000	1.0	7,200	7,500	2.6	19,700
Tucker	4,700	1.1	5,000	5,000	1.5	7,600
EAST	188,000	1.2	218,000	193,000	2.0	382,000
STATE	480,000	1.3	624,000	490,000	1.7	833,000

CORN FOR GRAIN: Acreage, Yield, Production and Value, 1980-1989

Year	Planted All Purposes	Harvested Acres	Yield Per Acre	Production	Price Per Bushel	Value of Production
	-- (000) --		-- Bu. --	-- (000) Bu. --	-- Dollars --	-- (000) Dollars --
1980	108	64	89.0	5,696	3.30	17,035
1981	125	84	92.0	7,728	2.64	16,516
1982	120	80	98.0	7,840	2.62	20,541
1983	103	60	78.0	4,680	3.31	15,491
1984	115	81	100.0	8,100	2.71	21,951
1985	110	73	105.0	7,665	2.23	17,093
1986	95	60 1/	90.0	5,400 1/	1.50	8,100 1/
1987	90 1/	50	72.0	3,600	1.96	7,056
1988	85	40	58.0	2,320	2.60 1/	6,032 1/
1989 2/	85	46	95.0	4,370	2.30	10,051

1/ Revised.
2/ Preliminary.

CORN FOR GRAIN: Acreage, Yield and Production by Counties, 1988-1989

County	1988				1989			
	Planted All Purposes	Harvested For Grain	Yield Per Acre	Production	Planted All Purposes	Harvested For Grain	Yield Per Acre	Production
	- Acres -		- Bushels -		- Acres -		- Bushels -	
Brooke	700	400	53.0	21,200	600	350	75.0	26,200
Marshall	1,200	400	45.0	18,000	1,100	350	75.0	26,200
Ohio	1,200	600	51.0	30,700	1,200	700	80.5	56,500
Pleasants	-	-	-	-	600	300	90.5	27,200
Preston	5,100	750	50.5	38,000	5,450	2,100	103.5	217,000
Tyler	600	350	50.0	17,500	500	300	94.5	28,400
Wood	1,400	900	49.0	44,100	1,500	800	80.0	64,000
Other 1/	3,800	1,500	50.5	75,500	3,350	1,200	87.0	104,500
NORTHWEST	14,000	4,900	50.0	245,000	14,300	6,100	90.0	550,000
Cabell	450	300	53.5	16,000	-	-	-	-
Jackson	1,100	700	51.5	35,900	1,000	700	82.5	57,600
Lincoln	650	450	52.0	23,400	500	350	87.0	30,400
Mason	9,500	5,200	52.5	274,000	9,100	5,800	92.0	535,000
Mercer	-	-	-	-	570	300	97.5	29,200
Putnam	700	400	52.5	20,900	550	350	90.5	31,600
Wayne	-	-	-	-	550	300	88.5	26,500
Other 1/	3,100	1,550	51.5	79,800	2,930	1,600	84.0	134,700
SOUTHWEST	15,500	8,600	52.5	450,000	15,200	9,400	90.0	845,000
Berkeley	7,100	3,900	56.5	220,000	7,000	4,400	92.0	405,000
Grant	-	-	-	-	1,300	500	110.0	55,000
Greenbrier	4,300	1,350	75.0	101,000	4,500	1,350	112.0	151,000
Hampshire	3,050	1,350	61.0	82,300	2,950	1,500	80.0	120,000
Hardy	7,600	2,200	78.0	172,000	7,800	3,150	105.5	332,000
Jefferson	16,000	10,500	48.5	510,000	14,000	10,000	91.0	910,000
Mineral	1,400	300	75.0	22,500	1,350	450	104.0	46,900
Monroe	7,000	3,650	83.0	303,000	8,300	5,250	104.0	545,000
Morgan	900	450	54.0	24,300	950	500	87.0	43,500
Pendleton	2,850	800	68.0	54,300	2,900	1,200	110.0	132,000
Pocahontas	2,000	700	70.5	49,300	1,900	750	105.0	78,800
Randolph	1,400	700	63.0	44,000	1,350	750	105.0	78,800
Other 1/	1,900	600	70.5	42,300	1,200	700	110.0	77,000
EAST	55,500	26,500	61.5	1,625,000	55,500	30,500	97.5	2,975,000
STATE	85,000	40,000	58.0	2,320,000	85,000	46,000	95.0	4,370,000

1/ Counties equal to or less than 250 acres of corn harvested for grain.

CORN FOR SILAGE AND FORAGE: Acreage, Yield and Production, 1980-1989

Year	Planted All Purposes	Silage			Forage Acres
		Harvested Acres	Yield Per Acre	Production	
	-- (000) --		-- Tons --	-- (000) Tons --	-- (000) --
1980	108	41	15.5	636	1
1981	125	39	15.5	605	1
1982	120	37	16.5	611	2
1983	103	40	13.5	540	2
1984	115	31	17.0	527	2
1985	110	31	17.0	527	2
1986	95	32 1/	14.0	448 1/	3
1987	90 1/	36 1/	11.5	414 1/	2/
1988	85	37	8.5	315	-
1989	85	38	15.5	589	-

1/ Revised.
2/ Discontinued.

CORN FOR SILAGE: Acreage, Yield and Production by Counties, 1988-1989

County	1988				1989			
	Planted All Purposes	Harvested For Silage	Yield Per Acre	Production	Planted All Purposes	Harvested For Silage	Yield Per Acre	Production
	- Acres -			- Tons -	- Acres -			- Tons -
Brooke	700	230	9.5	2,200	600	240	14.5	3,500
Marshall	1,200	560	9.0	4,900	1,100	700	14.5	10,100
Ohio	1,200	510	8.5	4,300	1,200	450	14.5	6,500
Pleasants	-	-	-	-	600	290	14.5	4,200
Preston	5,100	4,000	9.0	36,000	5,450	3,250	13.5	43,800
Tyler	600	190	9.0	1,700	500	190	14.5	2,800
Wood	1,400	400	9.0	3,600	1,500	650	13.0	8,400
Other 1/	3,800	1,910	9.0	17,300	3,350	2,130	15.0	31,700
NORTHWEST	14,000	7,800	9.0	70,000	14,300	7,900	14.0	111,000
Cabell	450	60	8.5	500	-	-	-	-
Jackson	1,100	310	8.0	2,500	1,000	300	14.5	4,300
Lincoln	650	120	7.5	900	500	140	14.5	2,000
Mason	9,500	3,600	9.5	34,400	9,100	3,250	16.0	51,600
Mercer	-	-	-	-	570	260	17.5	4,600
Putnam	700	190	9.5	1,800	550	190	10.0	1,900
Wayne	-	-	-	-	550	220	14.5	3,200
Other 1/	3,100	1,220	8.0	9,900	2,930	1,240	13.0	16,400
SOUTHWEST	15,500	5,500	9.0	50,000	15,200	5,600	15.0	84,000
Berkeley	7,100	2,600	8.0	20,900	7,000	2,500	15.0	37,900
Grant	-	-	-	-	1,300	700	14.0	9,900
Greenbrier	4,300	2,700	7.0	19,400	4,500	3,150	16.5	52,100
Hampshire	3,050	1,400	8.0	11,100	2,950	1,450	14.0	20,500
Hardy	7,600	4,650	10.0	47,500	7,800	4,600	16.0	73,600
Jefferson	16,000	3,900	6.5	26,000	14,000	3,900	15.0	59,100
Mineral	1,400	850	8.0	7,000	1,350	850	17.0	14,600
Monroe	7,000	2,800	7.5	21,000	8,300	3,000	17.5	51,800
Morgan	900	360	8.5	3,100	950	450	15.0	6,800
Pendleton	2,850	1,750	8.0	14,000	2,900	1,650	16.0	26,400
Pocahontas	2,000	1,100	11.5	12,700	1,900	1,150	19.0	22,100
Randolph	1,400	500	9.0	4,500	1,350	600	19.0	11,500
Other 1/	1,900	1,090	7.0	7,800	1,200	500	15.5	7,700
EAST	55,500	23,700	8.0	195,000	55,500	24,500	16.0	394,000
STATE	85,000	37,000	8.5	315,000	85,000	38,000	15.5	589,000

1/ Counties equal to or less than 250 acres of corn harvested for grain.

OATS: Acreage, Yield, Production and Value, 1980-1989

Year	Acreage		Yield	Production and Value		
	Planted	Harvested For Grain	Per Acre	Production	Avg. Price Per Bushel	Value
	-- (000) Acres --		-- Bu. --	-- (000) Bu. --	-- Dollars --	-- (000) Dollars --
1980	13	10	49.0	490	1.70	916
1981	14	11	52.0	572	1.90	1,174
1982	16	10	51.0	510	1.50	765
1983	14	9	52.0	468	1.65	772
1984	11	8	51.0	408	1.75	714
1985	14	8	61.0	488	1.20	586
1986	17	10	50.0	500	1.00	500
1987	13	8	50.0	400	1.45	580
1988	10	6	48.0	288	2.60	749
1989	10	6	50.0	300	1.45	435

OATS: Acreage, Yield and Production, By Counties, 1988-1989

County	1988				1989			
	Planted	Harvested for Grain	Yield Per Harvested Acre 2/	Production	Planted	Harvested for Grain	Yield Per Harvested Acre	Production
	-- Acres --		-- Bushels --		-- Acres --		-- Bushels --	
Barbour	150	90	40.0	3,600	150	100	46.0	4,600
Brooke	250	160	42.5	6,800	250	120	56.0	6,700
Hancock	190	120	42.5	5,100	180	90	58.0	5,200
Marshall	120	80	41.5	3,300	150	70	45.5	3,200
Monongalia	100	70	40.0	2,800	120	80	49.0	3,900
Ohio	250	160	42.0	6,700	250	120	47.5	5,700
Preston	1,900	1,350	43.5	58,900	1,900	1,300	48.0	62,200
Wood	-	-	-	-	50	30	43.5	1,300
Other 1/	140	70	40.0	2,800	150	90	46.5	4,200
NORTHWEST	3,100	2,100	43.0	90,000	3,200	2,000	48.5	97,000
Fayette	90	70	48.5	3,400	90	50	46.0	2,300
Jackson	120	40	40.0	1,600	130	50	50.0	2,500
Lincoln	-	-	-	-	30	10	50.0	500
Mason	400	220	49.0	10,800	350	140	49.5	6,900
Mercer	110	50	48.0	2,400	100	50	46.0	2,300
Nicholas	60	30	40.0	1,200	60	30	50.0	1,500
Putnam	140	30	40.0	1,200	140	70	47.0	3,300
Raleigh	60	30	40.0	1,200	80	40	45.0	1,800
Webster	100	40	40.0	1,600	50	20	50.0	1,000
Other 1/	120	40	40.0	1,600	70	40	47.5	1,900
SOUTHWEST	1,200	550	45.5	25,000	1,100	500	48.0	24,000
Berkeley	900	620	54.0	33,600	800	600	54.5	32,600
Grant	200	120	50.0	6,000	190	70	50.0	3,500
Greenbrier	220	60	50.0	3,000	250	110	50.0	5,500
Hampshire	700	450	50.0	22,500	600	500	54.5	27,300
Hardy	600	370	51.0	18,900	550	300	54.5	16,300
Jefferson	950	700	52.0	36,500	1,050	750	47.5	35,500
Mineral	200	120	51.0	6,100	250	160	44.0	7,000
Monroe	500	310	50.0	15,500	500	250	55.0	13,700
Morgan	220	140	51.5	7,200	250	120	54.0	6,500
Pendleton	210	130	52.5	6,800	300	150	52.5	7,900
Pocahontas	500	130	51.5	6,700	400	240	44.0	10,600
Randolph	190	70	51.5	3,600	210	100	53.0	5,300
EAST	5,700	3,350	51.5	173,000	5,700	3,500	51.0	179,000
STATE	10,000	6,000	48.0	288,000	10,000	6,000	50.0	300,000

1/ Counties with less than 50 acres planted not shown separately.
2/ Corrected data.

WHEAT: Acreage, Production and Value, 1980-1989

Year	Acreage		Yield	Production and Value		
	Planted	Harvested For Grain	Per Acre	Production	Avg. Price Per Bushel	Value
	-- (000) Acres --		-- Bu. --	-- (000) Bu. --	-- Dollars --	-- (000) Dollars --
1980	12	10	38.0	380	4.00	1,368
1981	11	9	36.0	324	3.65	1,314
1982	11	9	35.0	315	3.35	1,055
1983	11	9	42.0	378	3.45	1,304
1984	12	10	40.0	400	3.35	1,340
1985	10	8	43.0	344	2.95	1,015
1986	11	9	44.0	396	2.40	950
1987	13	11	45.0	495	2.50	1,238
1988	11	9	46.0	414	3.70 1/	1,532 1/
1989	16	12	43.0	516	3.85	1,987

1/ Revised.

WHEAT: Acreage, Yield and Production, By Counties, 1988-1989

County	1988				1989			
	Planted	Harvested for Grain	Yield Per Harvested Acre	Production	Planted	Harvested for Grain	Yield Per Harvested Acre	Production
	-- Acres --		-- Bushels --		-- Acres --		-- Bushels --	
Barbour	-	-	-	-	60	40	50.0	2,000
Hancock	90	50	40.0	2,000	100	80	44.0	3,500
Harrison	-	-	-	-	50	30	33.5	1,000
Lewis	-	-	-	-	70	30	40.0	1,200
Ohio	70	60	36.5	2,200	100	90	39.0	3,500
Pleasants	-	-	-	-	50	30	40.0	1,200
Preston	140	90	36.5	3,300	150	100	52.0	5,200
Tyler	60	30	36.5	1,100	70	40	37.5	1,500
Wood	350	240	46.5	11,200	450	400	31.5	12,500
Other 1/	190	130	40.0	5,200	100	60	40.0	2,400
NORTHWEST	900	600	41.5	25,000	1,200	900	38.0	34,000
Cabell	250	180	39.0	7,000	350	250	38.5	9,600
Jackson	170	130	39.0	5,100	250	150	36.5	5,500
Lincoln	70	10	40.0	400	80	50	38.0	1,900
Mason	950	800	39.5	31,500	1,100	850	37.0	31,500
Mercer	-	-	-	-	300	250	45.5	11,400
Nicholas	-	-	-	-	50	30	40.0	1,200
Putnam	70	50	36.0	1,800	100	50	42.0	2,100
Other 1/	190	130	40.0	5,200	170	70	40.0	2,800
SOUTHWEST	1,700	1,300	39.0	51,000	2,400	1,700	39.0	66,000
Berkeley	1,500	1,300	50.0	65,000	1,700	1,500	44.0	65,900
Grant	90	80	50.0	4,000	190	80	40.0	3,200
Greenbrier	400	350	50.0	17,500	900	700	42.0	29,400
Hampshire	650	550	51.0	28,000	900	700	37.0	26,000
Hardy	800	650	44.0	28,600	1,200	800	43.5	34,700
Jefferson	3,000	2,550	46.0	117,800	4,100	3,300	47.0	155,400
Mineral	160	140	42.0	5,900	250	180	45.0	8,100
Monroe	450	400	60.0	23,900	900	500	55.0	27,400
Morgan	700	550	42.0	23,000	900	600	37.0	22,100
Pendleton	350	300	45.0	13,500	550	400	38.0	15,100
Pocahontas	150	110	42.0	4,600	300	200	35.0	7,000
Summers	100	80	55.0	4,400	450	400	50.0	20,000
Other 1/	50	40	45.0	1,800	60	40	42.5	1,700
EAST	8,400	7,100	47.5	338,000	12,400	9,400	44.5	416,000
STATE	11,000	9,000	46.0	414,000	16,000	12,000	43.0	516,000

1/ Counties with less than 50 acres planted not shown separately.

TOBACCO: Acreage, Production and Value, 1980-1989

Year	Acres Harvested	Production		Avg. Price Per Pound	Value of Production
		Per Acre	Total		
	-- Acres --	-- Lbs. --	-- (000) Lbs. --	-- Cents --	-- (000) Dollars --
1980	1,200	1,500	1,800	165.5	2,979
1981	1,500	1,620	2,430	178.0	4,325
1982	2,000	1,795	3,590	176.0	6,320
1983	2,200	1,710	3,762	176.0	6,621
1984	2,400	1,870	4,488	180.0	8,078
1985	1,800	1,880	3,384	155.5	5,262
1986	1,600	1,650	2,640	154.4	4,076
1987	1,800	1,440	2,592	146.5	3,797
1988	1,700	1,600	2,720	152.5	4,148
1989	1,450	1,300	1,885	165.2	3,114

TOBACCO: Acreage, Yield and Production, By Counties, 1988-1989

County	1988			1989		
	Acres Harvested	Yield Per Acre	Production	Acres Harvested	Yield Per Acre	Production
	-- Acres --	-- Pounds --		-- Acres --	-- Pounds --	
Wood	13	1,540	20,000	11	1,450	16,000
Boone	15	1,330	20,000	-	-	-
Cabell	275	1,700	467,000	215	1,275	267,800
Jackson	75	1,510	113,000	65	1,220	79,500
Lincoln	500	1,560	782,000	440	1,220	535,500
Mason	370	1,710	632,300	320	1,580	505,400
Putnam	340	1,540	522,500	290	1,175	340,800
Roane	16	1,630	26,000	20	1,290	25,800
Wayne	22	1,500	33,000	16	1,410	22,500
Wirt	24	1,200	28,700	20	1,320	26,400
Monroe	35	1,640	57,500	30	1,320	39,600
Other 1/	15	1,200	18,000	23	1,120	25,700
State	1,700	1,600	2,720,000	1,450	1,300	1,885,000

1 /Counties having less than 10 acres.

FARM MARKETINGS OF FIELD CROPS: Percent of Sales, By Months, United States, 1988-1989 1/

Month	Corn	Oats	Wheat	Hay	Soybeans	Barley
			--- Percent ---			
April	-	-	-	.6	-	-
May	-	-	-	5.8	-	-
June	-	10.4	22.3	11.9	-	12.4
July	-	32.8	13.3	12.5	-	13.4
August	-	12.8	10.9	10.4	-	13.1
September	10.9	9.5	8.7	9.4	8.4	7.8
October	14.1	5.0	5.8	8.8	23.4	6.9
November	7.3	3.3	5.4	6.5	12.0	8.6
December	7.8	3.7	7.0	6.9	8.8	6.7
January	11.8	4.7	8.5	6.6	13.5	6.7
February	6.1	3.6	3.8	6.0	4.0	5.3
March	8.1	5.7	5.4	7.0	6.9	7.3
April	6.3	4.9	3.8	5.5	4.6	6.7
May	7.1	3.6	5.1	2.1	4.2	5.1
June	6.7	-	-	-	5.6	-
July	6.2	-	-	-	4.1	-
August	7.6	-	-	-	4.5	-
September	-	-	-	-	-	-
Year	100.0	100.0	100.0	100.0	100.0	100.0

1/ Final Estimates

The marketing year for corn and soybeans is September through August; for oats, wheat and barley - June through May; and for hay - April through May.

1989 FRUIT SUMMARY

General: Total fruit production for the 1989 crop year was 124 million pounds, 47 percent less than 1988. The 1989 crop year was severely affected by early season freezes and a poor return bloom for apples due to several dry years preceding 1989. The apple crop was rated in fair condition throughout the growing season, while peaches were rated in poor condition.

Apples: The 1989 apple crop of 115 million pounds (2.74 million 42 lb. equivalents) was down 47 percent from the 1988 production figure of 215 million pounds. The utilization breakdown for the 1989 apple crop consisted of 35 million pounds of fresh market sales or 30 percent of production, down from 65 million pounds of fresh market sales in 1988. The remaining 80 million pounds were used in processing, with 58 million pounds canned, 15 million pounds for juice and cider, 6.5 million pounds frozen, and 500,000 pounds for other uses.

The price received for 1989 commercial apples was 9.8 cents per pound, up slightly from 9.5 cents per pound in 1988. Total value of utilized production was $11.3 million for the 1989 crop. Fresh market apples brought 17.0 cents per pound, up from 14.2 cents a pound in 1988. Processed apples sold for $134 per ton, down from $148 per ton in 1988.

Peaches: The 1989 peach crop of 9 million pounds (187,500 48 lb. equivalents) was down 55 percent from the 1988 crop of 20 million pounds. The early season freezes occurred when most orchards were in full bloom. Due to wet conditions at harvest, fresh market fruit had a very short shelf life. There were 8.4 million pounds of fresh market sales or 93 percent of the production, down from 18.5 million pounds of fresh market sales in 1988. The remaining 600,000 pounds were used in processing, down from 1.5 million pounds in 1988.

The price per pound in 1989 was 25.6 cents, which resulted in a total utilized production value of $2.30 million This was a decrease of 32 percent from the 1988 value of $3.37 million. Fresh market peaches brought 26.7 cents per pound, up from 17.7 cents per pound in 1988. Processed peaches brought $193 a ton, up from $129 a ton in 1988.

COMMERCIAL APPLES: Production and Value, 1980-1989

Year	Production			Price Per Pound	Value of Production
	Total	Not Utilized	Having Value		
	--- Million Pounds ---			-- Cents --	-- (000) Dollars --
1980	245.0	-	245.0	7.80	19,176
1981	200.0	-	200.0	11.50	22,925
1982	240.0	-	240.0	9.40	22,597
1983	220.0	4	216.0	7.70	16,671
1984	225.0	-	225.0	10.60	23,778
1985	230.0	-	230.0	9.80	22,532
1986	230.0	-	230.0	10.60	24,410
1987	180.0	-	180.0	7.50	13,567
1988	215.0	-	215.0	9.50	20,330
1989	115.0	-	115.0	9.80	11,310

COMMERCIAL APPLES: Utilization, 1980-1989

Year	Utilization of Sales				
	Fresh Market	Canned	Frozen	Processed Juice & Cider	Other
	-- Million Pounds --				
1980	88.6	84.1	13.5	56.2	2.6
1981	97.4	47.2	17.5	35.0	2.9
1982	87.2	94.7	16.4	41.2	.5
1983	57.9	103.4	11.7	40.5	2.5
1984	84.9	89.4	13.0	36.7	1.0
1985	99.5	58.6	13.2	58.2	.5
1986	87.7	75.3	34.2	32.7	.1
1987	53.0	75.5	15.4	34.3	1.8
1988	65.0	94.2	13.9	39.3	2.6
1989	35.0	58.0	6.5	15.0	.5

PEACHES: Production and Value, 1980-1989

Year	Production		Having Value	Price Per Pound	Value of Production
	Total	Not Utilized			
	--- Million Pounds ---			-- Cents --	-- (000) Dollars --
1980	22.0	-	22.0	13.2	2,904
1981	20.0	-	20.0	15.3	3,060
1982	17.0	-	17.0	23.3	3,961
1983	19.0	-	19.0	13.8	2,626
1984 1/	18.0	-	18.0	17.0	3,067
1985 2/	-	-	-	-	-
1986	23.0	-	23.0	14.5	3,338
1987 1/	19.0	-	19.0	13.3	2,528
1988	20.0	-	20.0	16.9	3,373
1989	9.0	-	9.0	25.6	2,301

1/ Revised. 2/ No significant commercial production due to frost.

1989 LIVESTOCK & DAIRY SUMMARY

General: The livestock numbers in this bulletin were derived from the various surveys conducted during the year by West Virginia Agricultural Statistics. The quarterly Agricultural Surveys (January, June, September and December) continue to be the primary sources for estimating inventory and production numbers of livestock raised in West Virginia. County level breakdown of livestock production shown in the publication were compiled from other surveys conducted during the year.

Cattle: All cattle inventory as of January 1, 1990, was 490,000 head, down 2 percent from the number at the beginning of 1989. The inventory value for cattle was estimated at $262.2 million, up 6 percent from a year ago. The 1989 calf crop was 245,000 head, up 5,000 from 1988. All cows, at 270,000 head, were unchanged from a year ago. Cattle and calf meat production for 1989 totaled 157.3 million pounds liveweight, with 170.8 million pounds marketed; an increase of 21 percent from 1988. The average price per hundredweight was $64.00 for cattle and $80.50 for calves, compared to $64.00 and $81.50 respectively in 1988. The larger calf crop increased the value of production to $107.9 million, 5.6 percent above 1988.

Sheep and Lambs: Sheep and lamb inventory on January 1, 1990, was estimated at 77,000 head, down from 82,000 head the previous year. The inventory value, at $5.5 million, was 17 percent below a year ago. The 1989 lamb crop totaled 69,000 head, down 3,000 head from last year. Sheep and lamb production for 1989 totaled 5.4 million pounds, 5.5 percent less than a year ago. The average price per hundredweight was $18.00 for sheep and $61.00 for lambs, compared to $19.80 and $63.40 respectively in 1988. As a result of lower prices and lower production, the value of production totaled $2.66 million, a 6 percent drop from the previous year. The gross income, including home consumption, totaled $2.87 million, down from $3.24 million estimated in 1988. Sheep shorn in 1989 totaled 70,000 head, down 7,000 head from 1988. The average fleece weight was 6.2 pounds, giving a production of 434,000 pounds. The average price per pound was 81 cents, down 10 cents from the previous year. Because of the lower price, value of production calculated to $352,000, 16 percent below 1988.

Hogs and Pigs: Hog and pig inventory as of December 1, 1989, totaled 32,000 head, 5,000 head less than 1988. The inventory value was estimated at $2.54 million, down 16 percent from 1988. The pig crop totaled 49,000 head, up 3,000 from a year ago. Hog and pig meat production for 1989 was 15.2 million pounds, with 14.6 million pounds marketed. Meat production was down by 153,000 pounds from the previous year, while marketings increased 1.8 million pounds as a result of declining inventory. The average price per hundredweight was $40.50, down from the $42.00 in 1988. The value of production was $6.2 million, a 4 percent reduction from last year. The gross income from hog production, including home consumption, totaled $6.6 million, unchanged from the previous year.

Milk: The average number of dairy cows in West Virginia during 1989 was 25,000 head, 2,000 head below 1988. The total milk produced was 279 million pounds, a 7 percent drop from the previous year due to a decrease in milk cow inventory. The milk used on farm totaled 9 million pounds, the same as in 1988. There were 270 million pounds marketed, 22 million below last year. Cash receipts from the milk marketed totaled $37.4 million, up from $37.0 million in 1988. The gross value of all milk produced, including home consumption, totaled $38.0 million.

CATTLE AND CALVES: Number on Farms and Value, January 1, 1981-1990

Year	All Cattle and Calves	Cows		Heifers 500 Lbs. and Over			Steers 500 Lbs. & Over	Bulls 500 Lbs. & Over	Heifers, Steers and Bulls 500 Lbs. & Under	Value	
		Beef	Milk	Beef Cow Replacement	Milk Cow Replacement	Other Heifers				Per Head	Total
	(000) Head									- Dollars -	- (000) Dollars -
1981	570	259	36	55	13	11	45	18	133	420	239,400
1982	620	279	36	60	17	11	33	19	165	395	244,900
1983	580	260	36	51	16	15	49	19	134	385	223,300
1984	590	273	37	44	16	19	53	21	127	385	227,150
1985 1/	580	275	33	40	14	15	58	23	122	375	217,500
1986 1/	550	258	32	40	14	20	56	20	110	370	203,500
1987 1/	510	255	30	33	10	23	36	18	105	360	183,600
1988 1/	490	251	28	33	10	20	38	14	96	435	213,150
1989	500	245	26	35	10	25	52	17	90	495	247,500
1990	490	245	25	45	10	22	45	16	82	535	262,150

1/ Revised.

ALL CATTLE AND MILK COWS: Number on Farm, January 1, 1989-1990 1/

County	1989		1990	
	All Cattle	Milk Cows	All Cattle	Milk Cows
	-- Number of Head --			
Barbour	12,500	370	12,000	360
Brooke	2,000	400	1,800	350
Doddridge	3,800	100	4,000	90
Hancock	1,000	-	1,000	-
Harrison	16,000	350	14,000	350
Lewis	10,500	240	11,000	230
Marion	7,200	260	7,000	250
Marshall	7,700	1,050	8,000	1,100
Monongalia	8,500	270	8,700	270
Ohio	4,000	700	3,700	700
Pleasants	1,800	-	1,900	-
Preston	24,000	2,850	22,000	2,700
Ritchie	7,200	50	7,200	50
Taylor	8,000	200	8,000	170
Tyler	6,000	500	5,500	500
Upshur	7,800	200	7,500	170
Wetzel	3,000	140	3,000	120
Wood	9,000	240	8,700	230
Other 1/	-	80	-	60
NORTHWEST	140,000	8,000	135,000	7,700
Boone	200	-	150	-
Braxton	8,300	70	8,300	60
Cabell	3,000	60	2,900	60
Calhoun	3,200	60	3,200	50
Clay	2,200	-	2,000	-
Fayette	5,000	220	4,600	200
Gilmer	7,000	70	6,700	70
Jackson	13,500	250	12,500	200
Kanawha	2,500	-	2,300	-
Lincoln	3,000	130	2,500	100
Logan	600	80	700	80
McDowell	50	-	50	-
Mason	21,000	3,300	20,000	3,300
Mercer	6,200	50	5,800	-
Mingo	150	-	200	-
Nicholas	7,300	240	7,200	240
Putnam	5,500	130	5,300	120
Raleigh	5,000	90	4,900	90
Roane	10,000	60	10,000	50
Wayne	3,300	190	3,100	190
Webster	1,400	60	1,300	60
Wirt	5,600	300	5,400	250
Wyoming	1,000	-	900	-
Other 1/	-	140	-	180
SOUTHWEST	115,000	5,500	110,000	5,300
Berkeley	16,000	1,800	15,000	1,700
Grant	13,500	200	13,000	190
Greenbrier	45,000	1,400	44,000	1,400
Hampshire	17,000	160	17,000	130
Hardy	24,000	500	26,000	450
Jefferson	19,000	4,300	20,000	4,200
Mineral	8,000	430	7,500	400
Monroe	30,000	1,900	32,500	1,900
Morgan	2,500	180	2,300	150
Pendleton	26,000	320	24,000	300
Pocahontas	19,000	190	19,500	170
Randolph	12,500	700	12,500	600
Summers	7,500	330	7,300	330
Tucker	5,000	90	4,400	80
EAST	245,000	12,500	245,000	12,000
STATE	500,000	26,000	490,000	25,000

1/ Counties with less than 50 head.

CATTLE AND CALVES: Production, Value and Income, 1980-1989

Year	Production 1/	Marketings 2/	Price Per 100 Lbs.		Value of Production	Cash Receipts	Value Home Consumption	Gross Income
			Cattle	Calves				
	-- (000) Lbs. --		-- Dollars --		-- (000) Dollars --			
1980	136,605	108,520	52.80	79.30	79,968	64,400	5,777	70,177
1981	137,860	94,590	47.50	66.90	72,220	49,089	6,485	55,574
1982	121,675	126,050	43.10	61.10	56,887	60,522	8,348	68,870
1983 3/	164,775	140,690	43.10	58.60	78,338	68,162	10,970	79,132
1984 3/	153,590	148,435	45.50	53.00	73,448	71,141	11,101	82,242
1985 3/	130,875	155,725	46.00	56.50	63,562	75,395	5,946	81,341
1986 3/	166,850	178,635	46.40	56.20	81,498	86,616	8,147	94,763
1987 3/	157,285	158,215	57.50	68.70	94,976	94,989	6,289	101,278
1988 3/	148,095	141,285	64.00	81.50	102,158	96,993	6,600	103,593
1989	157,345	170,755	64.00	80.50	107,892	115,898	4,726	120,624

1/ Adjustments made for inshipments and changes in inventory.
2/ Excludes interfarm sales. 3/ Revised.

CATTLE AND CALVES: Inventory Number, Calf Crop and Disposition, 1980-1989

Year	On Hand January 1	Calves Born	Inshipments	Marketings 1/		Farm Slaughter	Deaths	
				Cattle	Calves		Cattle	Calves
				-- (000) Head --				
1980	545	264	3	93	98	5	14	32
1981	570	260	3	84	80	7	13	29
1982	620	250	5	112	131	8	14	30
1983 2/	580	270	27	126	116	9	11	25
1984 2/	590	265	25	136	115	9	15	25
1985 2/	580	230	23	150	85	6	15	27
1986 2/	550	250	33	180	91	10	12	30
1987 2/	510	240	27	157	85	8	12	25
1988 2/	490	240	30	134	89	6	7	24
1989	500	245	30	166	95	4	5	15

1/ Excludes interfarm sales.
2/ Revised.

LIVESTOCK: Number of Operations, 1983-1989

Year	All Cattle	Milk Cows 1/	Hogs and Pigs	Sheep and Lambs
1983	19,000	3,500	5,100	3,100
1984	18,000	3,000	4,500	2,900
1985	18,000	2,700	3,500	2,700
1986	17,000	2,500	3,500	2,700
1987	18,000	2,300	3,200	2,800
1988	18,000	2,200	3,000	2,200
1989	18,500	2,000	2,500	2,000

1/ Included in all cattle.

MILK: Production of Milk and Milkfat, 1980-1989

Year	Number of Milk Cows on Farms	Production of Milk and Milkfat				
		Per Milk Cow		Percentage of Fat in Milk Produced	Total	
		Milk	Milkfat		Milk	Milkfat
	- (000) -	- Pounds -		- Percent -	- Million Pounds -	
1980	37	9,459	348	3.68	350	13
1981	36	9,722	358	3.68 1/	350 1/	13
1982	36	9,694	354	3.65	349 1/	13
1983	36	10,139	370	3.65	365	13
1984	34	10,853	400	3.69	369	14
1985	33 1/	11,576 1/	425 1/	3.67	382	14
1986	31 1/	12,097 1/	445 1/	3.68	375	14
1987	29 1/	12,034 1/	442 1/	3.67	349	13
1988	27	11,148	411	3.69	301	11
1989	25	11,160	413	3.70	279	10

1/ Revised.

MILK: Disposition and Marketings, 1980-1989

Year	Used on Farms Where Produced			Marketed by Farmers		
				Sold		
	Fed to Calves	Used For Milk, Cream and Butter	Total	To Plants & Dealers	Directly to Consumers	Total
	-- Million Pounds --					
1980	8	10	18	322	10	332
1981	6	7	13	330	7	337
1982	5	4	9	337	3	340
1983	6	4	10	348	7	355
1984	6	4	10	352	7	359
1985	6	4	10	365	7	372
1986	5	4	9	359	7	366
1987	5	4	9	333	7	340
1988	5	4	9	285	7	292
1989	5	4	9	265	5	270

MILK: Marketings and Income, 1980-1989

Year	Combined Marketings of Milk and Cream				Used for Milk, Cream and Butter Where Produced		Gross Producer Income
		Average Returns 1/		Cash Receipts From Marketings 2/			
	Milk Utilized	Per Cwt. Milk	Per Lb. Milkfat		Milk Utilized	Value 3/	
	- Million Lbs. -	- Dollars -		- (000) Dollars -	- Million Lbs. -	- (000) Dollars -	
1980	332	13.43	3.65	44,604	10	1,343	45,948
1981	337	14.08	3.83	47,461	7	986	48,447
1982	340	13.70	3.75	46,585	4	548	47,134
1983	355	13.84	3.79	49,119	4	553	49,672
1984	359	13.67	3.71	49,089	4	547	49,636
1985	372	13.18	3.59	49,038	4	527	49,566
1986	366	12.74	3.46	46,632	4	510	47,142
1987	340	12.91	3.52	43,904	4	517	44,421
1988	292	12.69	3.44	37,049	4	508	37,557
1989 4/	270	13.85	3.74	37,403	4	554	37,957

1/ Cash receipts divided by milkfat represented in combined marketings.
2/ Average returns per 100 pounds of milk in combined marketings of milk and cream.
3/ Cash receipts from milk and cream plus home consumption of milk and producer-churned butter.
4/ Preliminary.

MILK PRODUCTION: Number of Cows and Production, Quarterly, 1985-1989

Year	Jan.-March	April-June	July-Sept.	Oct.-Dec.	Annual
	AVERAGE NUMBER OF COWS (Thousand Head)				
1985 1/	33	33	33	32	33
1986 1/	32	31	30	30	31
1987 1/	30	30	29	28	29
1988	28	28	27	26	27
1989	25	25	25	25	25
	PRODUCTION PER COW (Pounds)				
1985 1/	2,727	2,909	3,030	3,000	11,576
1986 1/	2,875	3,194	3,067	3,067	12,097
1987 1/	2,967	2,967	2,966	3,036	12,034
1988	2,857	2,786	2,704	2,692	11,148
1989	2,800	2,880	2,760	2,720	11,160
	TOTAL PRODUCTION (Million Pounds)				
1985	90	96	100	96	382
1986	92	99	92	92	375
1987	89	89	86	85	349
1988	80	78	73	70	301
1989	70	72	69	68	279

1/ Revised.

SHEEP AND LAMBS: Inventory, By Class and Value, January 1, 1980-1990

Year	Sheep 1 Year & Older		Lambs		Total	Value	
	Ewes	Wethers & Rams	Ewes	Wethers & Rams	Sheep & Lambs	Per Head	Total
	(000) Head					- Dollars -	- (000) Dollars -
1980	87	4	17	5	113	60.50	6,837
1981	84	4	16	4	108	56.00	6,048
1982	85	3	18	4	110	55.50	6,105
1983	80	3	13	4	100	50.50	5,050
1984	72	3	12	4	91	50.50	4,596
1985	64	2	8	2	76	56.50	4,294
1986	60	2	8	8	78	65.50	5,109
1987	68	3	11	8	90	66.00	5,940
1988	67	3	10	11	91	75.00	6,825
1989	62	3	10	7	82	81.00	6,642
1990	59	3	10	5	77	72.00	5,544

SHEEP AND LAMBS: Inventory, Lamb Crop and Disposition, 1980-1989

Year	On Hand January 1	Lambs Saved	Inshipments	Marketings 1/		Farm Slaughter	Deaths	
				Sheep	Lambs		Sheep	Lambs
	-- (000) Head --							
1980	113	104	1	18	67	1	8	16
1981	108	100	1	14	61	1	7	16
1982	110	100	1	21	66	1	7	16
1983	100	90	1	19 2/	61 2/	2	6	12
1984	91	80	1	20 2/	59 2/	1	5	11
1985	76	71	2 2/	9 2/	45 2/	2 2/	5	10
1986	78	80	3	2 2/	51 2/	1	5 2/	12
1987	90	77	5 2/	14	48 2/	1 2/	6	12
1988	91	72	1 2/	21 2/	47 2/	1	5	8
1989	82	69	1	16	45	1	4	9

1/ Excludes interfarm sales. 2/ Revised.

SHEEP AND LAMBS: Production, Value and Income, 1980-1989

Year	Production 1/	Marketings 2/	Average Per Cwt.		Value of Production	Cash Receipts 3/	Value of Home Consumption	Gross Income
			Sheep	Lambs				
	-- (000) Lbs. --		-- Dollars --		(000) Dollars			
1980	7,478	7,974	20.70	61.60	3,974	4,065	133	4,198
1981	7,252	7,003	17.90	54.30	3,405	3,216	115	3,331
1982	7,215	8,200	16.80	52.60	3,215	3,449	142	3,591
1983 4/	8,343	9,199	12.70	48.10	3,285	3,416	95	3,511
1984 4/	5,826	7,437	13.50	59.50	3,002	3,367	148	3,515
1985 4/	5,106	4,722	17.50	67.80	3,101	2,559	342	2,901
1986 4/	6,315	4,740	19.30	66.50	3,477	3,039	120	3,159
1987 4/	5,885	5,910	23.70	74.10	3,585	3,533	133	3,666
1988 4/	5,730	6,660	19.80	63.40	2,839	3,124	114	3,238
1989	5,413	5,880	18.00	61.00	2,657	2,761	110	2,871

1/ Adjustments made for inshipments and changes in inventory.
2/ Excludes interfarm sales.
3/ Receipts from marketings and sale of farm slaughter.
4/ Revised.

WOOL: Sheep Shorn, Wool Production and Value 1980-1989

Year	Sheep Shorn	Weight Per Fleece	Shorn Wool Production	Price Per Pound	Value
	- (000) Head -	- Pounds -	- (000) Pounds -	- Cents -	- (000) Dollars -
1980	107	5.8	621	78	484
1981	102	5.8	592	87	515
1982	105	5.6	588	40	235
1983	98	5.9	578	46	266
1984	80	5.7	456	79	360
1985	74	5.8	429	58	249
1986	79	5.8	458	65	298
1987	77	5.6	431	62	267
1988 1/	77	6.0	462	91	420
1989	70	6.2	434	81	352

1/ Revised.

HOGS AND PIGS: Number on Farms, By Class and Value, December 1, 1980-1989

Year	Breeding	Market	Marketing Hogs & Pigs by Weight				All Hogs	Value	
			Under 60 Lbs.	60-119 Lbs.	120-179 Lbs.	180 Lbs. & Over		Per Head	Total
	(000) Head							- Dollars -	- (000) Dollars -
1980	11	62	26	9	9	18	73	71.50	5,220
1981	8	44	19	7	9	9	52	71.00	3,692
1982	8	34	14	6	5	9	42	91.00	3,822
1983	6	32	11	6	5	10	38	74.50	2,831
1984	4	33	14	8	5	6	37	70.00	2,590
1985	4	33	14	5	5	9	37	73.00	2,701
1986	5	32	11	7	5	9	37	89.00	3,293
1987	6	30	10	6	4	10	36	88.00	3,168
1988	7	30	10	7	5	8	37	81.50	3,016
1989	6	26	10	5	5	6	32	79.50	2,544

PIG CROP: Sows Farrowed and Pigs Saved, 1980-1989

Year	Spring 1/			Fall 2/			Annual Total	
	Sows Farrowed	Pigs Per Litter	Pigs Saved	Sows Farrowed	Pigs Per Litter	Pigs Saved	Sows Farrowed	Pigs Saved
	- (000) Head -	Number	- (000) Head -		- Number -		-- (000) Head --	
1980	9.0	6.8	61	6.8	7.6	52	15.8	113
1981	6.7	7.5	50	4.1	7.3	30	10.8	80
1982	5.2	7.0	36	3.8	7.5	29	9.0	65
1983	5.6	7.0	39	3.2	7.0	22	8.8	61
1984	2.7	6.4	17	2.4	6.6	16	5.1	33
1985	2.5	7.4	19	1.6	7.1	11	4.1	30
1986	2.4	6.7	16	2.7	7.1	19	5.1	35
1987	2.8	6.1	17	3.0	7.2	22	5.8	39
1988	3.1	6.3	20	3.7	6.9 3/	26	6.8	46
1989	3.5	7.1	25	3.3	7.3	24	6.8	49

1/ December through May.
2/ June through November.
3/ Revised.

HOGS AND PIGS: Inventory Number, Pig Crop and Disposition, 1980-1989

Year	On Hand December 1 1/	Pigs Saved	Inshipments	Marketings 2/	Farm Slaughter	Deaths
			-- (000) Head --			
1980	56	113	9	75	22	8
1981	73	80	5	78	20	8
1982	52	65	6	63	13	5
1983	42	61	10	61	10	4
1984	38	33	5	27	9	3
1985	37	30	9	27	7	5
1986	37	35	8	35	4	4
1987	37	39	11	46	3	2
1988	36	46	8	44	6	3
1989	37	49	5	52	4	3

1/ December 1, previous year.
2/ Excludes interfarm sales.

HOGS AND PIGS: Production, Value and Income, 1980-1989

Year	Production 1/	Marketings 2/	Price Per 100 Lbs.	Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
	-- (000) Lbs. --		-- Dollars --	(000) Dollars			
1980	34,210	20,555	37.80	12,833	7,782	4,241	12,023
1981	28,781	22,270	44.60	12,808	9,939	4,549	14,488
1982	24,643	19,125	53.40	13,077	10,230	3,540	13,770
1983	24,693	19,755	46.70	11,499	9,230	2,620	11,850
1984	10,523	6,750	49.40	5,191	3,336	2,645	5,981
1985	11,450	8,407	44.00	5,017	3,702	1,372	5,074
1986	12,815	11,150	48.00	6,146	5,354	888	6,242
1987	16,239	14,348	52.50	8,515	7,535	1,135	8,670
1988 3/	15,398	12,762	42.00	6,459	5,363	1,250	6,613
1989	15,245	14,570	40.50	6,168	5,905	741	6,646

1/ Adjustments made for inshipments and changes in inventory. 2/ Excludes interfarm sales. 3/ Revised.

SHEEP AND HOGS: Number on Farms, 1989-1990

County	1989		1990	
	Sheep 1/	Hogs 2/	Sheep 1/	Hogs 2/
	-- Number of Head --			
Barbour	550	300	600	220
Brooke	320	50	230	-
Doddridge	450	150	400	80
Hancock	140	80	160	50
Harrison	430	160	390	120
Lewis	2,000	180	1,700	100
Marion	520	230	400	180
Marshall	1,150	360	1,300	250
Monongalia	1,350	360	1,500	200
Ohio	350	400	300	380
Pleasants	-	70	-	50
Preston	3,500	1,450	2,700	1,200
Ritchie	600	170	600	100
Taylor	180	60	150	50
Tyler	600	430	420	300
Upshur	450	120	450	100
Wetzel	700	280	700	160
Wood	700	650	550	630
NORTHWEST	13,990	5,500	12,550	4,170
Boone	-	-	-	-
Braxton	1,000	350	1,000	250
Cabell	-	230	140	150
Calhoun	-	90	-	70
Clay	130	-	-	-
Fayette	600	110	650	100
Gilmer	900	120	900	90
Jackson	650	400	900	320
Kanawha	230	330	180	230
Lincoln	260	400	100	250
Logan	-	-	-	-
McDowell	-	-	-	-
Mason	700	2,700	550	2,500
Mercer	700	120	450	80
Mingo	-	50	-	50
Nicholas	650	130	450	120
Putnam	310	350	250	220
Raleigh	470	580	420	460
Roane	550	90	700	70
Wayne	100	90	-	60
Webster	290	70	230	50
Wirt	170	110	230	90
Wyoming	100	50	-	-
SOUTHWEST	7,810	6,370	7,150	5,160
Berkeley	580	5,500	450	6,000
Grant	4,600	680	4,300	700
Greenbrier	3,000	900	2,900	800
Hampshire	2,100	2,200	2,000	1,400
Hardy	6,400	4,300	5,800	3,600
Jefferson	900	2,900	900	2,500
Mineral	1,500	570	1,400	600
Monroe	4,200	1,000	3,800	750
Morgan	-	380	-	250
Pendleton	15,000	3,500	15,000	3,000
Pocahontas	13,500	1,300	13,000	1,200
Randolph	7,000	1,400	6,400	1,400
Summers	400	250	400	300
Tucker	750	120	600	100
EAST	59,930	25,000	56,950	22,500
OTHER 3/	270	130	350	170
STATE	82,000	37,000	77,000	32,000

1/ As of January 1.
2/ As of December 1 previous year.
3/ Counties with less than 50 head of hogs or 100 head of sheep.

WOOL PRODUCTION: Sheep Shorn and Production, By Counties, 1988-1989

County	1988			1989		
	Sheep Shorn	Fleece Weight	Production	Sheep Shorn	Fleece Weight	Production
	-- Head --		-- Pounds --	-- Head --		-- Pounds --
Barbour	500	5.4	2,700	550	5.6	3,100
Brooke	180	5.6	1,000	210	8.6	1,800
Doddridge	360	5.1	1,830	350	6.0	2,100
Hancock	-	-	-	150	6.0	900
Harrison	390	5.2	2,040	370	6.5	2,400
Lewis	1,300	5.8	7,500	1,550	5.8	9,000
Marion	450	5.8	2,600	350	6.3	2,200
Marshall	1,100	5.5	6,100	1,200	6.6	7,900
Monongalia	1,100	6.3	6,950	1,425	5.5	7,800
Ohio	330	7.0	2,300	225	7.6	1,700
Pleasants	-	-	-	-	-	-
Preston	2,400	6.5	15,300	2,500	6.6	16,450
Ritchie	420	6.2	2,600	550	6.7	3,700
Taylor	130	6.2	800	100	7.0	700
Tyler	400	6.0	2,400	380	6.8	2,600
Upshur	310	5.2	1,600	400	5.5	2,200
Wetzel	550	6.1	3,350	650	7.2	4,700
Wood	400	7.0	2,800	500	7.0	3,500
NORTHWEST	10,320	6.0	61,870	11,460	6.3	72,750
Boone	-	-	-	-	-	-
Braxton	850	5.2	4,400	790	6.3	5,000
Cabell	-	-	-	110	6.8	750
Calhoun	-	-	-	-	-	-
Clay	-	-	-	-	-	-
Fayette	400	4.9	1,950	420	7.1	3,000
Gilmer	750	6.3	4,700	800	6.4	5,100
Jackson	600	6.7	4,000	750	7.3	5,500
Kanawha	180	6.4	1,150	150	7.3	1,100
Lincoln	110	5.7	630	-	-	-
Logan	-	-	-	-	-	-
McDowell	-	-	-	-	-	-
Mason	560	6.3	3,500	470	6.8	3,200
Mercer	400	6.3	2,500	370	7.0	2,600
Mingo	-	-	-	-	-	-
Nicholas	420	5.8	2,450	390	6.3	2,450
Putnam	250	6.4	1,600	190	6.3	1,200
Raleigh	370	5.7	2,100	330	7.3	2,400
Roane	500	5.9	2,950	650	6.5	4,200
Wayne	-	-	-	-	-	-
Webster	200	5.8	1,150	180	7.2	1,300
Wirt	140	6.8	900	180	8.9	1,600
Wyoming	-	-	-	-	-	-
SOUTHWEST	5,730	5.9	33,980	5,780	6.8	39,400
Berkeley	470	6.4	3,030	410	6.3	2,600
Grant	4,400	6.0	26,220	3,950	6.3	25,000
Greenbrier	2,800	6.1	17,130	2,650	6.8	18,000
Hampshire	1,500	6.6	9,900	1,850	6.6	12,300
Hardy	5,400	6.4	34,300	5,300	6.2	33,000
Jefferson	800	6.9	5,550	800	6.6	5,300
Mineral	1,200	5.7	6,800	1,200	6.3	7,600
Monroe	3,350	6.4	21,340	3,500	6.4	22,500
Morgan	-	-	-	-	-	-
Pendleton	14,000	5.8	81,340	13,800	6.1	84,500
Pocahontas	8,800	5.9	51,850	11,900	5.5	66,000
Randolph	5,800	5.9	34,110	6,200	6.0	37,000
Summers	340	6.0	2,050	350	6.3	2,200
Tucker	590	6.3	3,700	550	6.8	3,750
EAST	49,450	6.0	297,320	52,460	6.1	319,750
OTHER 1/	500	5.7	2,830	300	7.0	2,100
STATE	66,000	6.0	396,000	70,000	6.2	434,000

1/ Counties with less than 100 total sheep.

COMMERCIAL LIVESTOCK SLAUGHTER: Number of Head and Liveweight, 1980-1989

Year	Cattle			Calves		
		Liveweight			Liveweight	
	Head	Average	Total	Head	Average	Total
	- Number -	- Pounds -	- (000) Pounds -	- Number -	- Pounds -	- (000) Pounds -
1980	36,500	976	35,602	500	317	158
1981	38,600	946	36,528	500	329	176
1982	38,400	928	35,626	600	297	169
1983	38,400	916	35,184	800	292	241
1984	36,600	921	33,672	1,000	280	279
1985	31,500	951	29,974	900	305	265
1986	29,200	975	28,453	500	309	151
1987	23,000	955	21,966	300	293	98
1988	19,700	973	19,190	200	290	55
1989	16,600	987	16,371	1/	-	-

Year	Hogs			Sheep & Lambs		
		Liveweight			Liveweight	
	Head	Average	Total	Head	Average	Total
	- Number -	- Pounds -	- (000) Pounds -	- Number -	- Pounds -	- (000) Pounds -
1980	41,900	358	14,983	800	106	86
1981	37,200	373	13,865	800	106	82
1982	29,900	399	11,904	900	88	83
1983	29,300	387	11,368	1,400	87	124
1984	28,900	379	10,977	1,500	85	129
1985	26,900	400	10,775	1,200	103	127
1986	24,400	403	9,827	800	101	81
1987	24,100	401	9,645	600	107	61
1988	24,600	374	9,188	700	113	82
1989	22,300	370	8,238	700	115	78

1/ Less than 100 head slaughtered.

SLAUGHTER: Total Red Meat Production, 1985-1989

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
	-- (000) Pounds --												
1985	2,483	1,835	1,805	1,737	1,708	1,428	1,751	1,777	2,197	3,111	3,009	2,299	25,141
1986	2,082	1,504	1,605	1,703	1,355	1,379	1,430	1,561	2,113	3,041	3,086	2,426	23,285
1987	1,906	1,482	1,485	1,332	1,143	1,113	1,206	1,315	1,763	2,427	2,458	1,972	19,603
1988	1,466	1,311	1,327	1,140	1,063	1,198	1,245	1,358	1,506	1,938	2,290	1,680	17,521
1989	1,371	985	1,190	996	1,048	921	902	1,269	1,306	1,752	2,016	1,406	15,162

SLAUGHTER: Number of Federally Inspected Plants and Head Slaughtered, By Species, By Size Group, United States, 1989 1/

Size Group	Cattle		Size Group	Hogs	
	Plants	Head		Plants	Head
	- Number -	- (000) -		- Number -	- (000) -
Under 1,000	862	224.6	Under 1,000	739	216.3
1,000-9,999	170	579.6	1,000-9,999	208	585.4
10,000-49,999	75	1,800.7	10,000-99,999	90	2,984.4
50,000-99,999	30	2,142.4	100,000-249,999	21	3,383.0
100,000-249,999	30	4,928.1	250,000-499,999	10	3,937.1
250,000-499,999	16	5,434.2	500,000-999,999	13	9,457.7
500,000 +	20	17,899.3	1,000,000-1,499,999	9	12,220.8
			1,500,000 +	24	53,536.0
Total 2/	1,203	33,008.8	Total 2/	1,114	86,320.8

Size Group	Calves		Size Group	Sheep & Lambs	
	Plants	Head		Plants	Head
	- Number -	- (000) -		- Number -	- (000) -
Under 100	414	6.0	Under 100	804	15.6
100-999	56	20.8	100-999	185	59.2
1,000-9,999	47	183.2	1,000-9,999	54	170.3
10,000 +	46	1,889.5	10,000 +	26	5,049.9
Total 2/	563	2,099.4	Total 2/	869	5,295.0

1/ Includes data from 1/7/89-12/30/89.
2/ Total may not add due to rounding.

1989 POULTRY SUMMARY

Chickens: All chickens, excluding commercial broilers, totaled 810,000 birds as of December 1, 1989. This was 80,000 birds or 11 percent above 1988. The December 1 inventory was valued at $3.69 million, 55 percent above 1988.

Eggs: The 1989 egg production totaled 121 million, down 4 percent from 1988. The production was from an average of 517,000 layers, 9 percent less than 1988. Gross income from egg production, including home consumption, totaled $10.3 million, up 3 percent from 1988.

Broilers: Commercial broiler production totaled 35.3 million birds, essentially unchanged from 1988. A total of 130.8 million pounds were produced, up 1 percent from the 130.1 million of 1988. The average price per pound was 37.0 cents, up from the 33.5 cents in 1988. The value of production was $48.4 million, an 11 percent increase from 1988.

Turkeys: Turkeys raised totaled 2.9 million birds, 26 percent more than 1988. A total of 55.1 million pounds, was produced, a 30 percent increase from the 42.3 million pounds in 1988. The average price per pound was 42.0 cents, up from the 38.0 cents of 1988. The total value of production was $23.1 million, up from the $16.1 million in 1988.

CHICKENS: Number on Farms and Value, 1980-1989 1/

Year	All Chickens	Hens & Pullets Of Laying Age	Hens & Pullets Not Of Laying Age	Other Chickens	Value	
					Per Bird	Total
		-- (000) Birds --			- Dollars -	- (000) Dollars -
1980	970	810	88	72	2.65	2,571
1981	812	609	150	53	2.45	1,989
1982	800	585	144	71	3.85	3,080
1983	870	610	180	80	4.00	3,480
1984	790	540	188	62	3.80	3,002
1985	710	471	195	44	4.15	2,947
1986	670	498	116	56	3.40	2,278
1987	790	618	118	54	3.15	2,489
1988	730	467	228	35	3.25	2,373
1989	810	500	280	30	4.55	3,686

1/ Excludes commercial broilers.

CHICKENS: Number of Birds, By Counties, 1988-1989 1/

County	Number of Birds		County	Number of Birds		County	Number of Birds	
	1988	1989		1988	1989		1988	1989
Barbour	1,800	1,800	Boone	1,500	1,200	Berkeley	62,500	62,000
Brooke	600	500	Braxton	1,800	1,600	Grant	35,000	40,000
Doddridge	1,300	1,400	Cabell	1,300	1,100	Greenbrier	3,000	3,000
Hancock	3,800	3,500	Calhoun	1,000	900	Hampshire	86,000	84,000
Harrison	3,000	3,000	Clay	1,000	700	Hardy	388,000	482,000
Lewis	2,900	2,800	Fayette	800	600	Jefferson	3,500	3,500
Marion	1,500	1,500	Gilmer	1,700	1,200	Mineral	42,000	41,000
Marshall	2,100	2,500	Jackson	3,300	2,700	Monroe	3,300	3,000
Monongalia	3,400	2,800	Kanawha	3,000	3,500	Morgan	2,100	1,500
Ohio	900	900	Lincoln	2,500	2,000	Pendleton	2,600	2,800
Pleasants	500	500	Logan	350	250	Pocahontas	3,800	3,900
Preston	5,400	5,500	McDowell	150	150	Randolph	1,500	1,000
Ritchie	1,600	1,400	Mason	13,900	8,000	Summers	1,200	1,300
Taylor	700	500	Mercer	1,200	1,200	Tucker	3,500	2,000
Tyler	1,700	1,000	Mingo	1,500	1,500			
Upshur	1,700	1,500	Nicholas	7,400	7,500	EAST	638,000	731,000
Wetzel	1,400	1,400	Putnam	2,000	2,000			
Wood	3,700	2,500	Raleigh	1,000	900			
			Roane	1,800	1,200			
NORTHWEST	38,000	35,000	Wayne	1,500	1,500			
			Webster	1,500	1,300			
			Wirt	1,300	1,200	STATE	730,000	810,000
			Wyoming	2,500	1,800			
			SOUTHWEST	54,000	44,000			

1/ Excludes commercial broilers.

CHICKENS AND EGGS: Number of Layers and Production, Quarterly, 1985-1989

Year	Dec.-Feb. 1/	March-May	June-Aug.	Sept.-Nov.	Annual
			Average Number of Layers (Thousand Birds)		
1985	550	565	539	490	536
1986	478	481	482	491	483
1987	562	617	581	586	587
1988	603	586	571	513	568
1989	482	531	544	512	517
			Eggs Per 100 Layers		
1985	5,818	5,664	5,566	5,510	22,575
1986	5,439	5,821	5,809	5,499	22,567
1987	5,338	5,511	5,680	5,290	21,806
1988	5,307	5,802	5,604	5,458	22,183
1989	5,602	5,838	6,066	5,859	23,404
			Total Eggs produced (Million Eggs)		
1985	32	32	30	27	121
1986	26	28	28	27	109
1987	30	34	33	31	128
1988	32	34	32	28	126
1989	27	31	33	30	121

1/ December preceding year.

CHICKENS: Lost, Sold and Value 1/, 1980-1989

Year	Number Lost	Number Sold	Pounds Sold	Average Price Per Pound	Value of Sales
	-- (000) Birds --		- (000) -	- Cents -	- (000) Dollars -
1980	150	760	3,496	9.4	329
1981	190	600	3,600	9.4	338
1982	120	600	3,600	8.7	313
1983	110	480	2,880	11.7	337
1984	100	500	3,000	15.5	465
1985	110	510	2,295	14.0	321
1986	104	400	1,800	12.0	216
1987	90	370	1,665	10.0	167
1988	80	480	2,160	8.6	186
1989	90	450	2,835	14.7	417

1/ Estimates cover the 12-month period (December 1, previous year through November 30) and excludes commercial broilers.

EGGS: Production, Disposition and Income, 1980-1989

Year	Layers 1/	Eggs produced Per Layer 2/	Total Eggs Produced	Price Per Dozen	Value Of Production
	- (000) -	- Number -	- Million Eggs -	- Cents -	- (000) Dollars -
1980	644	231	149	67.4	8,369
1981	670	231	155	74.5	9,623
1982	612	230	141	76.0	8,930
1983	607	224	136	81.7	9,260
1984	577	229	132	92.8	10,208
1985	536	226	121	83.2	8,389
1986	483	226	109	82.2	7,466
1987	587	218	128	80.2	8,555
1988	568	222	126	94.8	9,954
1989	517	234	121	102.0	10,285

1/ Average number during the year.
2/ Eggs produced during year divided by average layers on hand during year.

COMMERCIAL BROILERS: Production and Income, 1980-1989

Year	Number Produced	Pounds Produced	Average Price Per Pound	Value of Production
	-- (000) --		- Cents -	- (000) Dollars -
1980	21,786	76,251	31.0	23,638
1981	24,990	87,465	32.0	27,989
1982	26,140	94,104	28.5	26,820
1983	28,594	105,798	32.0	33,855
1984	26,020	96,274	37.0	35,621
1985	25,689	95,049	31.0	29,465
1986	29,010	104,436	36.5	38,119
1987	32,770	121,249	25.5	30,918
1988	35,166	130,114	33.5	43,588
1989	35,348	130,788	37.0	48,391

TURKEYS: Production and Income, 1980-1989

Year	Number Raised	Pounds Produced	Average Price Per Pound	Value of Production
	- (000) Birds -	- (000) Pounds -	- Cents -	- (000) Dollars -
1980	2,282	39,935	40.0	15,974
1981	2,149	34,384	38.0	13,066
1982	2,115	34,686	39.0	13,528
1983	1,849	32,727	40.0	13,091
1984	2,300	45,540	51.0	23,225
1985	2,400	49,440	51.0	25,214
1986	2,220	43,734 1/	49.0	21,430 1/
1987	2,400	44,640	30.0	13,392
1988	2,300	42,320 1/	38.0	16,082 1/
1989	2,870	55,104	42.0	23,144

1/ Revised.

1989 HONEY SUMMARY

Honey production in West Virginia totaled 1.41 million pounds during 1989, up 34 percent from 1988. The total number of colonies producing honey was 32,000, an increase of 2,000 colonies from 1988. The yield per colony averaged averaged 44.0 pounds, up from the 35.0 pounds in 1988. The average price per pound for honey was 77 cents, 2 cents more than the 75 cents for 1988. The value of production totaled $1,084,000, up from the total of $788,000 of 1988.

HONEY: Number of Colonies, Production, Stocks and Values, 1985-1989

Year	Producing Colonies	Production		January 1 Stocks 1/	Value Per Pound	Total
		Per Colony	Total			
	- 000 -	- Lbs. -	- 000 Lbs. -	- 000 Lbs. -	- Dollars -	- 000 Dollars -
1985	20	41.3	826.0	244.4	1.00	826.0
1986	17	30.0	510.0	260.0 2/	0.79	403.0
1987	21	41.0	861.0	207.0	0.82	706.0
1988	30	35.0	1,050.0	630.0	0.75 3/	788.0 3/
1989	32	44.0	1,408.0	732.0	0.77	1,084.0

1/ January 1, following year.
2/ Stocks as of December 15.
3/ Revised.

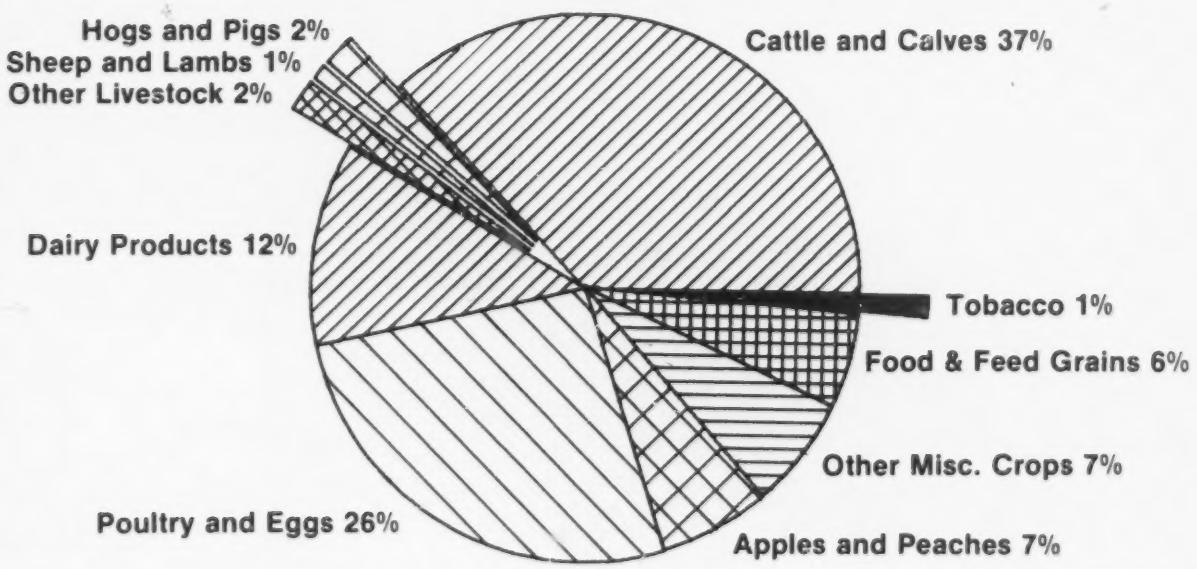
Income, Expenditures and Prices

WEST VIRGINIA CASH RECEIPTS FROM FARM MARKETINGS: 1985-1989

Commodity	1985 1/	1986 1/	1987 1/	1988 1/	1989 2/
			-- (000) Dollars --		
Livestock Products	197,839	211,186	208,073	217,751	249,848
Cattle and Calves	75,395	86,616	94,989	96,993	115,898
Hogs	3,702	5,354	7,535	5,363	5,905
Sheep and Lambs	2,559	3,038	3,533	3,122	2,760
Dairy Products	49,038	46,632	43,904	37,049	37,405
Poultry and Eggs	63,396	64,845	53,039	69,816	82,244
Other Livestock	3,749	4,701	5,073	5,408	5,636
Crops	65,006	64,740	59,247	69,337	62,620
Food Grains	400	423	692	946	1,163
Feed Crops	17,584	13,536	13,020	12,854	16,416
Tobacco	6,992	4,282	3,833	3,782	3,895
Vegetables	1,540	1,992	1,850	1,650	2.600
Apples	24,399	25,744	21,688	27,989	18,136
Peaches	17 3/	3,338	2,281	3,373	2,301
Other Misc. Crops 4/	14,074	15,425	15,883	18,743	18,109
All Commodities	262,845	275,926	267,320	287,088	312,468

1/ Revised.
2/ Preliminary.
3/ Crop failure due to frost.
4/ Includes greenhouse/nursery and forest products.

WEST VIRGINIA CASH RECEIPTS BY COMMODITY, 1989



WEST VIRGINIA FARM INCOME INDICATORS: 1984-1988

Item	1984	1985	1986	1987	1988
			-- Million Dollars --		
Gross farm income 1/	**397.1**	**354.4**	**352.4**	**330.7**	**377.6**
Cash income	289.0	306.2	278.5	286.9	302.3
Farm marketings	235.4	258.4	224.9	234.4	248.4
Crops	50.6	65.0	65.0	59.9	69.8
Livestock and products	184.7	193.4	159.9	174.5	178.6
Government payments	5.8	4.3	8.4	10.6	12.2
Other farm income	47.9	43.5	45.2	41.9	41.7
Machine hire/customwork	.6	.9	.6	.9	.8
Other farm-related income 2/	47.2	42.6	44.6	41.0	40.9
Noncash income	95.7	72.2	72.1	70.7	73.7
Value of home consumption	17.3	10.1	12.3	9.8	10.1
Rental value of dwellings	78.3	62.1	59.9	60.9	63.6
Operator dwellings	77.9	61.7	59.6	60.6	63.3
Hired laborer dwellings	.4	.4	.3	.3	.3
Value of inventory adjustment	12.4	-24.0	1.8	-27.0	1.6
Total production expenses 1/	**346.6**	**320.2**	**300.0**	**290.8**	**314.0**
Intermediate product expenses	177.9	168.4	157.1	157.3	172.8
Farm origin	72.7	63.3	61.6	58.4	74.9
Feed purchased	59.1	48.9	45.2	42.6	53.8
Livestock and poultry purchased	10.1	11.0	13.4	12.7	17.9
Seed purchased	3.5	3.4	3.0	3.0	3.2
Manufactured inputs	34.5	35.9	27.4	28.7	27.4
Fertilizer and lime	10.3	12.6	8.7	9.7	7.7
Pesticides	5.6	5.9	5.3	5.4	5.5
Fuel and oil	14.3	13.2	9.6	8.9	9.1
Electricity	4.3	4.2	3.8	4.7	5.1
Other	70.8	69.2	68.1	70.2	70.5
Repair and maintenance	37.6	36.7	38.3	39.6	40.7
Other miscellaneous 3/	33.2	32.5	29.8	30.6	29.8
Interest	36.6	33.2	30.5	25.4	31.8
Real estate	25.4	21.1	19.5	16.0	21.3
Nonreal estate	11.2	12.2	11.0	9.5	10.5
Contract and hired labor expenses	23.1	23.3	23.5	25.7	26.6
Cash labor expenses 4/	21.8	22.1	22.5	24.5	25.4
Perquisites	1.3	1.2	1.0	1.2	1.2
Net rent to nonoperator landlords 5/	2.9	2.7	2.2	3.1	4.0
Capital consumption	99.6	86.0	80.3	72.9	72.6
Property taxes	6.4	6.6	6.4	6.3	6.2
NET FARM INCOME	**50.5**	**34.2**	**52.4**	**39.9**	**63.7**
Cash income 6/	289.0	306.2	278.5	286.9	302.3
Cash expenses 6/	230.4	219.5	206.0	203.0	227.1
Intermediate product expenses	169.6	159.9	147.9	148.0	163.2
Interest	31.5	30.0	29.0	23.1	30.2
Cash labor expenses 4/	21.8	22.1	22.5	24.5	25.4
Net rent to nonoperator landlords 5/	2.9	2.7	2.2	3.1	4.0
Property taxes	4.6	4.8	4.4	4.3	4.2
NET CASH INCOME	58.6	86.6	72.4	83.9	75.2
Cash income	289.0	306.2	278.5	286.9	302.3
Cash expenses	230.4	219.5	206.0	203.0	227.1
Capital consumption	74.9	64.9	59.6	53.2	53.4
NET BUSINESS INCOME 7/	-16.3	21.7	12.8	30.7	21.9
Gross receipts of farms 8/	319.1	292.7	292.8	270.1	314.4
Nonfactor payments 6/	249.1	229.6	212.0	205.5	220.8
Intermediate product expenses	169.6	159.9	147.9	148.0	163.2
Capital consumption	74.9	64.9	59.6	53.2	53.4
Property taxes	4.6	4.8	4.4	4.3	4.2
Factor payments 6/	70.1	63.0	80.9	64.6	93.6
Interest	31.5	30.0	29.0	23.1	30.2
Contract and hired labor expenses	23.1	23.3	23.5	25.7	26.6
Net rent to nonoperator landlords 5/	2.9	2.7	2.2	3.1	4.0
RETURNS TO OPERATORS 9/	12.5	7.0	26.2	12.7	32.7
Off-farm income 10/	342.6	374.9	392.8	411.6	454.9

* Footnotes for this table are located on page 36.

FARM PRODUCTION EXPENDITURES: Appalachian Region 1/, 1988-1989

Appalachian Region	Farms Reporting	1988 Average Per Farm	Total Expenditures	1989 Total Expenditures
	- Percent -	- Dollars -	- (000) Dollars -	- (000) Dollars
Total Farm Production Expenditures	100.0	26,863	8,932,089	9,171,201
Livestock and Poultry Purchases	39.7	2,566	853,340	1,080,615
Feed	75.2	4,977	1,654,798	1,900,688
Farm Services	98.3	5,132	1,706,521	1,591,722
Agricultural Chemicals	65.9	802	266,821	303,911
Fertilizer	78.3	1,806	600,414	572,160
Interest	35.4	1,720	571,946	546,650
Taxes	95.8	599	199,230	193,705
Labor	48.1	2,398	797,319	733,141
Fuels and Lubricants	92.4	1,100	365,618	324,791
Farm Supplies	69.7	547	182,041	159,984
Building and Fencing	53.3	758	252,167	270,115
Farm and Land Improvements	16.5	180	59,856	50,098
Total Farm Machinery	82.6	2,718	903,584	1,008,904
Seeds and Plants	67.3	674	224,012	205,921
Trucks and Autos	14.4	724	240,598	209,174
Other Unallocated Expenses	2.6	162	53,824	19,622

1/ Kentucky, North Carolina, Tennessee, Virginia and West Virginia.

FARM LABOR: Number of Workers and Hours Worked Appalachian Region II 1/, By Survey Week, 1988-1989 2/

Year and Survey Week	Number of Workers				Hours Worked		
	Self-Employed	Unpaid Family	All Hired	Total	Self-Employed	Unpaid Family	All Hired
	--- (000) Workers ---				--- Hours ---		
1988:							
April 10-16	93.0	28.0	29.0	150.0	33.0	26.7	38.8
July 10-16	112.0	29.0	33.0	174.0	28.9	34.4	33.1
October 9-15	112.0	36.0	42.0	190.0	30.7	32.8	28.4
1989:							
January 8-14 6/	100.0	18.0	31.0	149.0	24.7	32.7	37.3
April 9-15	108.0	24.0	33.0	165.0	28.6	32.0	37.2
July 9-15	150.0	36.0	48.0	234.0	27.4	28.7	32.5
October 8-14	150.0	32.0	46.0	228.0	25.8	35.8	32.6

FARM LABOR: Wage Rates for Hired Workers, Appalachian Region II 1/, By Survey Week, 1988-1989 2/

Year and Survey Week	All Hired	Type of Worker				Method of Pay		
		Field	Livestock	Supervisory	Other 3/	Hourly	Piece Rate	Other 4/
	--- Dollars Per Hour ---							
1988:								
April 10-16	4.29	3.78	4.33	7.88	6.08	4.21	5/	4.64
July 10-16	4.63	4.07	4.45	7.65	5/	4.40	5/	5.31
October 9-15	4.55	4.31	4.35	7.62	5/	4.46	5/	4.79
1989:								
January 8-14 6/	4.74	4.33	4.71	7.53	6.06	4.50	5.59	5.07
April 9-15	4.76	4.21	4.76	8.64	5.99	4.70	5/	4.97
July 9-15	4.69	4.43	4.69	6.68	5/	4.65	5/	4.84
October 11-17	4.56	4.21	4.33	7.13	5/	4.42	5/	4.85

1/ Includes Kentucky, Tennessee and West Virginia.
2/ Excludes Agricultural Service Workers.
3/ Includes machine operators, bookkeepers, buyers, etc.
4/ Includes wages based on salary or commission by day, week, etc.
5/ Insufficient data.
6/ First year for estimate.

PRICES RECEIVED: Annual Average, Selected Crops, 1980-1989

Year	Corn Per Bushel	All Hay Per Ton	Oats Per Bushel	Winter Wheat Per Bushel	Peaches Per Pound
	---------- Dollars ----------				- Cents -
1980	3.30	61.00	1.70	4.00	13.2
1981	2.64	63.00	1.90	3.65	15.3
1982	2.62	64.00	1.50	3.35	23.3
1983	3.31	71.00	1.65	3.45	13.8
1984	2.71	70.00	1.75	3.35	17.0
1985	2.23	60.00	1.20	2.95	-
1986	1.50	55.00	1.00	2.40	14.5
1987	1.96	59.00	1.45	2.50	13.3
1988	2.60	78.00	2.60	3.70	16.9
1989	2.30	74.50	1.45	3.85	25.6

PRICES RECEIVED: Monthly, Apples and Tobacco, 1985-1989

Crop Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	-- Cents Per Pound --											
	Apples (Fresh Market)											
1985	15.0	15.5	16.0	16.0	-	-	-	-	16.0	15.0	15.0	15.0
1986	15.0	16.0	16.0	15.5	-	-	-	-	17.5	16.5	16.0	16.5
1987	16.5	16.5	17.0	17.0	-	-	-	-	13.5	12.2	10.3	10.3
1988	10.9	12.9	10.9	10.9	-	-	-	-	15.1	15.0	13.8	11.6
1989	13.8	11.6	13.8	13.8	-	-	-	-	19.7	17.7	18.7	15.7
	Tobacco											
1985	179.1	-	-	-	-	-	-	-	-	-	154.3	156.2
1986	156.7	154.1	-	-	-	-	-	-	-	-	156.3	155.0
1987	150.5	-	-	-	-	-	-	-	-	-	153.2	147.5
1988	133.4	-	-	-	-	-	-	-	-	-	157.9	155.0
1989	148.5	-	-	-	-	-	-	-	-	-	164.5	165.5

PRICES RECEIVED: Annual Average, Cattle, 1980-1989

Year	Cows	Steers & Heifers	All Beef 1/	Calves
		-- Dollars Per Cwt. --		
1980	44.50	60.00	52.80	79.30
1981	38.90	52.30	47.50	66.90
1982	37.70	48.00	43.10	61.10
1983	38.30	47.50	43.10	58.60
1984	35.20	52.30	45.50	53.00
1985	32.60	55.00	46.00	56.50
1986	30.70	53.10	46.40	56.20
1987	39.90	65.00	57.50	68.70
1988	43.90	73.00	64.00	81.50
1989	45.00	71.60	64.00	80.50

1/ Cows, steers and heifers combined.

PRICES RECEIVED: Annual Average, Dairy, 1980-1989

Year	Milk Cows	All Milk Sold To Plants	Retailed By Farmers
	- Dollars -	- Dollars Per Cwt. -	- Dollars Per Quart -
1980	1,040.00	13.00	-
1981	1,000.00	13.80	.59
1982	1,000.00	13.60	.54
1983	855.00	13.60	.55
1984	855.00	13.40	.59
1985	845.00	12.90	.60
1986	815.00	12.40	.65
1987	850.00	12.50	.70
1988	940.00	12.20	.70
1989	1,000.00	13.50	.70

PRICES RECEIVED: Annual Average, Hogs, Sheep and Wool, 1980-1989

Year	Hogs			Sheep & Wool		
	Barrows & Gilts	Sows	All Hogs	Lambs	Sheep	Wool
	---------- Dollars Per Cwt. ----------					- Cents Per Lb. -
1980	-	-	37.80	61.60	20.70	78
1981	45.20	38.50	44.60	54.30	17.90	87
1982	53.90	48.60	53.40	52.60	16.80	40
1983	47.50	39.40	46.70	48.10	12.70	46
1984	49.30	42.00	49.40	59.50	13.50	79
1985	44.40	36.80	44.00	67.80	17.50	58
1986	48.70	41.90	48.00	66.50	19.30	65
1987	52.90	43.30	52.50	74.10	23.70	62
1988	42.70	32.40	42.00	63.40	19.80	91
1989	41.00	32.40	40.50	61.00	18.00	81

PRICES RECEIVED: Annual Average, Poultry, 1980-1989

Year	Broilers	Other Chickens	Market Eggs 1/	All Eggs	Turkeys
	-- Cents Per Lb. --		--Cents Per Dozen --		- Cents Per Lb. -
1980	31.0	9.4	-	67.4	40.0
1981	32.0	9.4	-	74.5	38.0
1982	28.5	8.7	70.5	76.0	39.0
1983	32.0	11.7	60.8	81.7	40.0
1984	37.0	15.5	80.0	92.8	51.0
1985	31.0	14.0	61.0	83.2	51.0
1986	36.5	12.0	65.0	82.2	49.0
1987	25.5	10.0	58.0	80.2	30.0
1988	33.5	8.6	55.7	94.8	38.0
1989	37.0	14.7	66.0	102.0	42.0

1/ Not available prior to 1982.

PRICES PAID FUEL: Quarterly and Annual Average, Appalachian Region, 1/ 1989

Type	January	April	July	October	Annual
			-- Dollars Per Gallon --		
Gasoline, Unleaded 2/	.93	1.08	1.09	1.04	1.04
Gasoline, Leaded	.90	1.06	1.07	1.03	1.02
Diesel Fuel	.75	.80	.77	.81	.78
L. P. Gas	.78	.78	.76	.78	.78

1/ Prices include all taxes, Appalachian region consists of Kentucky, North Carolina and Tennessee.
2/ Prices pumped at service station. All other types of gasoline are bulk delivery prices.

PRICES PAID FEED: Quarterly and Annual Average, Appalachian Region, 1/ 1989

Type	January	April	July	October	Annual
			-- Dollars Per Ton --		
Beef Concentrate 32-36%	278.00	279.00	274.00	267.00	274.50
Corn Meal	168.00	156.00	168.00	156.00	162.00
Dairy Feed 16%	197.00	196.00	186.00	188.00	191.75
Dairy Concentrate 32%	295.00	304.00	277.00	272.00	287.00
Hog Concentrate 38-42%	373.00	361.00	352.00	338.00	356.00
Laying Feed	215.00	203.00	198.00	186.00	200.50
Soybean Meal 44%	352.00	332.00	308.00	308.00	325.00

1/ Kentucky, North Carolina, Tennesse, West Virginia and Virginia.

FERTILIZER: Mixtures and Materials Sold, By Kinds, 1988-1989

Analysis	1988	1989	Analysis	1988	1989
	--Tons--			--Tons--	
5-10-10	2,943	3,262	Ammonium Nitrate	876	950
5-10-15	474	680	Ammonium Sulphate	246	322
6-24-24	426	690	Nitrogen Solutions	3,615	4,907
10-10-10	4,749	4,030	Sodium Nitrate	29	15
10-20-10	628	374	Urea	4,202	4,109
10-20-20	5,568	6,286	Other Nitrate	3,823	663
12-12-12	1,120	1,652	Total Nitrogen	12,908	11,046
12-24-24	319	348	Total Phosphorus	4,078	3,568
15-15-15	601	886	Potassium Chloride	7,685	6,932
15-30-15	524	813	Other Potash	66	81
18-46-0	6,237	5,601	Total Potash	7,751	7,013
19-19-19	1,616	3,295	Total Mixtures	31,697	33,713
All Other	6,492	5,796	Total Other 1/	5,052	6,043
Total Mixtures	31,697	33,713	Total Fertilizer Sold	61,487	61,382

1/ Includes Natural Organics and Secondary and Micronutrients.

Source: Tennessee Valley Authority - National Fertilizer Development Center.

FEEDS: Quantity of Commercial Feeds and Ingredients, Sold by Kinds, 1988-1989

Class of Feed	1988	1989	Ingredient	1988	1989
	--Tons--			--Tons--	
Dairy	33,092	34,912	Alfalfa Meal	250	177
Beef	8,036	9,756	Animal Products	6,071	11,643
Laying Mash	7,585	3,675	Brewer Grains	219	356
Starter & Grower	801	920	Corn Products	6,799	8,314
Broiler	2,537	2,854	Corn Distiller		
Scratch	1,531	1,437	Products	644	1,455
Turkey	4,790	3,588	Grain Mixtures		
Hog	7,584	7,425	(Chop)	224	129
Horse	12,706	13,138	Oat Products	1,107	1,019
Sheep	1,138	1,199	Soybean Meal	3,225	4,530
Pet	30,516	27,959	Wheat Products	1,252	452
Minerals	2,937	2,987	Miscellaneous	3,385	5,059
Miscellaneous	-	479			
Total Feed	115,432	110,329	Total Ingredients	23,723	33,134

Source: West Virginia Department of Agriculture.

* Footnotes for the **WEST VIRGINIA FARM INCOME INDICATORS: 1984-1988** table, located on page 32.

1/ Includes operator dwellings.

2/ Includes forest product sales, recreational income, and other farm business-related income. Estimates for 1982 and later include income from custom feeding services.

3/ Includes machine hire and customwork expenses; marketing, storage, and transportation expenses; and miscellaneous expenses. Definition and data sources for 1978 and later are not directly compatible with those of earlier years.

4/ Includes contract labor expenses, hired labor wages, and Social Security payments.

5/ Uses different data sources among the period before 1979, 1979-83, and 1984 and later. Estimates are not directly compatible among periods.

6/ Excludes operator dwellings.

7/ Cash income less cash expenses and capital consumation.

8/ Gross farm income less rental value of operator dwellings.

9/ Gross receipts of farms less nonfactor payments, interest, contract and hired labor expenses, and net rent to nonoperator landlords.

10/ Includes off-farm income for members of farm operator's family.

Historic County Estimates

Every 5 years, the Department of Commerce conducts a census of Agriculture. The census summary includes many more reports than the sample surveys utilized by the Department of Agriculture and is used to review the estimates for the intervening years. This review of historic estimates utilizing the census data enables us to present the most accurate county data on a current basis.

Included in this section are county estimates that were revised as a result of the historic review. Commodities or years not included in this section were not changed and can be found in the Agricultural Statistics bulletin in which they were originally printed

CORN FOR GRAIN: Acreage, Yield and Production by Counties, 1986-1987

County	1986				1987			
	Planted All Purposes	Harvested For Grain	Yield Per Acre	Production	Planted All Purposes	Harvested For Grain	Yield Per Acre	Production
	-- Acres --		-- Bushels --		-- Acres --		-- Bushels --	
Brooke	750	500	91.5	45,800	600	400	93.0	37,100
Marshall	950	450	102.5	46,100	1,200	500	87.0	43,500
Ohio	950	700	108.0	75,600	1,150	850	88.0	75,000
Pleasants	-	-	-	-	500	350	77.0	27,000
Preston	4,600	2,300	105.5	243,000	4,750	2,200	85.5	188,000
Tyler	750	500	103.5	51,800	600	400	83.5	33,400
Wood	1,550	1,000	98.5	98,700	1,400	950	71.5	67,900
Other 1/	3,750	1,850	98.5	182,000	3,300	1,350	84.5	114,100
NORTHWEST	13,300	7,300	102.0	743,000	13,500	7,000	83.5	586,000
Cabell	750	550	91.0	50,000	550	450	77.5	34,900
Jackson	900	750	87.5	65,600	900	700	77.0	53,900
Lincoln	600	500	87.0	43,500	-	-	-	-
Mason	9,200	6,400	86.0	550,000	10,500	6,900	72.0	496,800
Nicholas	500	300	91.5	27,400	-	-	-	-
Putnam	900	800	85.0	68,000	750	650	75.0	48,600
Wayne	550	300	90.0	27,000	650	400	84.0	33,600
Other 1/	2,600	1,600	86.5	138,500	3,150	1,900	79.0	150,200
SOUTHWEST	16,000	11,200	86.5	970,000	16,500	11,000	74.5	818,000
Berkeley	9,000	6,000	85.0	510,000	7,400	4,300	62.0	266,500
Grant	1,800	900	95.5	85,800	1,500	500	69.0	34,500
Greenbrier	4,300	1,700	88.0	150,000	4,500	1,200	75.0	90,000
Hampshire	3,600	2,000	95.0	190,000	3,100	1,600	74.0	118,000
Hardy	8,250	4,500	84.5	380,000	7,700	3,300	76.0	250,000
Jefferson	20,000	15,500	88.5	1,370,000	16,500	11,000	65.0	714,500
Mineral	1,350	500	88.0	44,000	1,500	500	66.0	33,000
Monroe	8,400	5,500	92.5	510,000	9,550	6,100	70.0	427,000
Morgan	1,200	850	84.5	72,000	950	600	65.0	39,000
Pendleton	3,100	1,500	92.5	139,000	3,000	1,100	70.0	77,000
Pocahontas	2,150	1,100	91.0	99,900	1,950	700	80.0	56,000
Randolph	1,300	800	94.0	75,000	1,500	800	84.0	67,000
Summers	600	250	93.0	23,300	-	-	-	-
Tucker	650	400	95.0	38,000	-	-	-	-
Other 1/	-	-	-	-	850	300	78.5	23,500
EAST	65,700	41,500	89.0	3,687,000	60,000	32,000	68.5	2,196,000
STATE	95,000	60,000	90.0	5,400,000	90,000	50,000	72.0	3,600,000

1/ Counties equal to or less than 250 acres of corn harvested for grain.

CORN FOR SILAGE: Acreage, Yield and Production by Counties, 1986-1987

County	1986				1987			
	Planted All Purposes	Harvested For Silage	Yield Per Acre	Production	Planted All Purposes	Harvested For Silage	Yield Per Acre	Production
	- Acres -		- Tons -		- Acres -		- Tons -	
Brooke	750	200	17.0	3,400	600	150	14.0	2,100
Marshall	950	450	15.0	6,800	1,200	660	12.5	8,200
Ohio	950	230	15.5	3,600	1,150	250	13.0	3,300
Pleasants	-	-	-	-	500	130	11.5	1,500
Preston	4,600	2,200	17.5	38,800	4,750	2,450	14.5	35,700
Tyler	750	200	15.0	3,000	600	170	13.5	2,300
Wood	1,550	450	14.0	6,300	1,400	410	10.0	4,200
Other 1/	3,750	1,670	16.5	27,200	3,300	1,580	14.5	23,000
NORTHWEST	13,300	5,400	16.5	89,100	13,500	5,800	14.0	80,300
Cabell	750	130	14.0	1,800	550	10	10.0	100
Jackson	900	120	12.5	1,500	900	160	13.0	2,100
Lincoln	600	50	12.0	600	-	-	-	-
Mason	9,200	2,750	14.5	39,900	10,500	3,200	11.0	35,000
Nicholas	500	190	18.0	3,400	-	-	-	-
Putnam	900	80	16.5	1,300	750	50	12.0	600
Wayne	550	230	15.0	3,500	650	200	9.0	1,800
Other 1/	2,600	850	14.5	12,500	3,150	980	11.5	11,500
SOUTHWEST	16,000	4,400	14.5	64,500	16,500	4,600	11.0	51,100
Berkeley	9,000	2,500	13.5	33,500	7,400	2,900	10.0	29,000
Grant	1,800	800	11.0	8,800	1,500	850	10.0	8,500
Greenbrier	4,300	2,500	15.0	37,000	4,500	3,000	13.0	39,000
Hampshire	3,600	1,400	11.0	15,100	3,100	1,450	11.0	16,000
Hardy	8,250	3,500	12.0	42,000	7,700	4,200	11.0	46,000
Jefferson	20,000	4,200	14.0	59,700	16,500	5,000	10.5	52,500
Mineral	1,350	800	12.5	10,000	1,500	850	10.0	8,500
Monroe	8,400	2,800	14.5	41,000	9,550	3,150	11.5	36,000
Morgan	1,200	250	13.0	3,200	950	300	10.0	3,000
Pendleton	3,100	1,500	12.0	18,200	3,000	1,700	10.0	17,000
Pocahontas	2,150	1,000	13.5	13,500	1,950	1,150	12.0	13,800
Randolph	1,300	450	12.5	5,700	1,500	600	13.0	7,800
Summers	600	300	12.5	3,700	-	-	-	-
Tucker	650	200	15.0	3,000	-	-	-	-
Other 1/	-	-	-	-	850	450	12.0	5,500
EAST	65,700	22,200	13.5	294,400	60,000	25,600	11.0	282,600
STATE	95,000	32,000	14.0	448,000	90,000	36,000	11.5	414,000

1/ Counties equal to or less than 250 acres of corn harvested for grain.

TOBACCO: Acreage, Yield and Production, By Counties, 1987

County	Acres Harvested	Yield Per Acre	Production
	-- Acres --	-- Pounds --	
Wood	12	1,300	15,600
Boone	20	1,400	28,000
Cabell	290	1,400	406,000
Jackson	85	1,465	124,500
Lincoln	490	1,490	729,000
Mason	400	1,445	578,000
Putnam	390	1,410	550,000
Roane	14	1,520	21,300
Wayne	25	1,480	37,000
Wirt	25	1,310	32,700
Monroe	30	1,425	42,800
Other 1/	19	1,425	27,100
State	1,800	1,440	2,592,000

1 /Counties having less than 10 acres.

HAY: Acreage, Yield and Production, By Counties, 1987

County	All Hay			Other Hay		
	Harvested	Yield Per Acre	Production	Harvested	Yield Per Acre	Production
	-- Acres --	-- Tons --		-- Acres --	-- Tons --	
Barbour	17,600	1.4	25,500	16,200	1.4	22,200
Brooke	3,100	1.9	5,900	1,700	1.5	2,500
Doddridge	7,900	1.3	10,600	7,300	1.3	9,300
Hancock	2,050	1.9	3,900	1,300	1.4	1,800
Harrison	22,400	1.8	40,100	20,200	1.7	34,000
Lewis	15,000	1.4	21,600	13,900	1.4	18,800
Marion	10,100	1.6	16,300	9,400	1.6	14,800
Marshall	14,100	1.8	25,200	10,700	1.5	15,700
Monongalia	11,700	1.4	16,900	9,800	1.2	11,600
Ohio	6,400	1.7	11,100	2,700	1.5	4,000
Pleasants	2,900	1.8	5,100	2,500	1.6	4,100
Preston	29,900	2.0	59,400	23,500	1.6	37,500
Ritchie	12,850	1.6	20,200	12,100	1.5	17,900
Taylor	8,200	1.9	15,900	7,400	1.9	13,800
Tyler	10,450	2.1	21,500	9,700	2.0	19,100
Upshur	12,450	1.5	18,700	11,800	1.5	17,300
Wetzel	6,700	1.2	7,900	5,800	1.0	5,700
Wood	14,200	1.5	21,200	13,000	1.4	17,900
NORTHWEST	208,000	1.7	347,000	179,000	1.5	268,000
Boone	250	1.2	300	200	1.0	200
Braxton	12,850	1.4	17,600	12,200	1.3	16,000
Cabell	3,900	1.8	7,000	3,300	1.5	5,100
Calhoun	5,350	1.7	9,000	4,900	1.7	8,100
Clay	2,150	1.6	3,400	1,900	1.5	2,800
Fayette	5,800	1.5	8,800	4,900	1.3	6,500
Gilmer	8,800	1.2	10,600	8,200	1.1	9,400
Jackson	16,900	1.5	25,200	15,200	1.4	21,800
Kanawha	2,600	1.7	4,300	2,400	1.6	3,900
Lincoln	1,800	1.4	2,600	1,600	1.3	2,100
Logan	150	1.7	250	100	1.5	150
McDowell	25	2.0	50	25	2.0	50
Mason	18,400	1 6	29,600	15,500	1.3	20,200
Mercer	7,450	1.4	10,200	6,500	1.2	7,500
Mingo	25	2.0	50	25	2.0	50
Nicholas	7,300	1.6	11,500	6,300	1.4	9,100
Putnam	7,200	1.5	10,800	6,600	1.4	9,100
Raleigh	6,100	1.7	10,400	5,000	1.6	7,800
Roane	13,100	1.7	22,800	11,700	1.6	19,300
Wayne	2,650	1.6	4,300	2,200	1.5	3,200
Webster	1,900	1.4	2,600	1,700	1.3	2,200
Wirt	6,700	1.3	8,900	6,000	1.1	6,800
Wyoming	600	1.3	750	550	1.2	650
SOUTHWEST	132,000	1.5	201,000	117,000	1.4	162,000
Berkeley	16,100	1.8	29,200	11,800	1.2	14,400
Grant	13,200	1.3	16,800	11,700	1.1	13,400
Greenbrier	26,800	1.6	43,100	22,400	1.3	29,200
Hampshire	19,100	1.4	26,700	17,400	1.3	22,600
Hardy	13,800	1.7	23,000	12,300	1.5	18,100
Jefferson	15,500	2.1	31,900	10,800	1.4	15,000
Mineral	12,000	1.5	18,300	9,600	1.1	10,200
Monroe	23,200	1.6	36,000	18,400	1.3	24,000
Morgan	4,600	1.1	5,000	4,300	1.0	4,200
Pendleton	19,900	1.6	31,900	16,500	1.4	23,000
Pocahontas	16,500	1.5	24,600	13,700	1.3	17,900
Randolph	15,800	1.7	26,500	14,000	1.6	21,900
Summers	7,600	1.5	11,500	6,400	1.1	7,300
Tucker	5,900	1.6	9,500	4,700	1.4	6,800
EAST	210,000	1.6	334,000	174,000	1.3	228,000
STATE	550,000	1.6	882,000	470,000	1.4	658,000

LIVESTOCK: Number on Farms, 1988-1986

County	1988		1986	
	Sheep 1/	Hogs 2/	All Cattle 1/	Milk Cows 1/
	-- Number of Head --			
Barbour	590	250	13,500	480
Brooke	320	-	2,000	500
Doddridge	520	120	5,000	130
Hancock	100	50	1,100	60
Harrison	450	120	16,000	500
Lewis	1,700	180	13,000	300
Marion	580	230	8,000	250
Marshall	1,150	400	9,500	1,200
Monongalia	1,500	290	8,000	350
Ohio	330	400	4,500	800
Pleasants	-	70	1,700	70
Preston	3,200	1,450	25,000	3,300
Ritchie	640	130	9,500	90
Taylor	180	80	9,000	300
Tyler	800	450	5,500	500
Upshur	680	140	9,500	270
Wetzel	650	250	3,200	150
Wood	600	650	11,000	250
NORTHWEST	13,990	5,260	155,000	9,500
Boone	-	50	300	-
Braxton	900	350	8,500	100
Cabell	-	150	3,900	100
Calhoun	-	100	3,700	70
Clay	-	-	2,000	-
Fayette	450	130	6,000	270
Gilmer	1,050	150	7,000	100
Jackson	770	340	13,000	320
Kanawha	230	250	2,500	50
Lincoln	300	500	3,500	140
Logan	-	-	500	90
McDowell	-	-	100	-
Mason	700	2,800	21,000	3,800
Mercer	600	120	6,700	60
Mingo	-	-	200	-
Nicholas	650	170	7,500	250
Putnam	250	200	5,100	150
Raleigh	510	600	5,500	110
Roane	510	100	11,000	70
Wayne	-	120	3,000	230
Webster	270	60	2,000	80
Wirt	140	120	6,000	350
Wyoming	170	50	1,000	-
SOUTHWEST	7,500	6,360	120,000	6,340
Berkeley	600	5,500	22,500	2,500
Grant	4,700	600	17,000	330
Greenbrier	3,700	800	47,000	2,000
Hampshire	2,550	2,000	19,000	250
Hardy	7,950	4,300	29,000	700
Jefferson	1,100	2,900	25,000	5,400
Mineral	1,700	600	9,200	500
Monroe	4,400	900	30,000	2,250
Morgan	-	400	2,800	190
Pendleton	18,300	3,400	25,000	450
Pocahontas	15,000	1,300	19,000	200
Randolph	7,750	1,200	14,500	750
Summers	450	200	9,000	330
Tucker	950	100	6,000	150
EAST	69,150	24,200	275,000	16,000
OTHER 3/	360	180	-	160
STATE	91,000	36,000	550,000	32,000

1/ As of January 1.
2/ As of December 1 previous year.
3/ Counties with less than 50 head of hogs, cattle, milk cows or 100 head of sheep.

ALL CATTLE AND MILK COWS: Number on Farm, January 1, 1987-1988 1/

County	1987		1988	
	All Cattle	Milk Cows	All Cattle	Milk Cows
	-- Number of Head --			
Barbour	12,500	430	12,000	370
Brooke	2,000	410	2,000	400
Doddridge	4,800	120	3,900	110
Hancock	1,000	50	1,000	-
Harrison	14,500	450	15,000	400
Lewis	11,500	230	11,500	230
Marion	6,900	280	6,700	300
Marshall	8,800	1,200	8,100	1,100
Monongalia	7,500	300	8,000	300
Ohio	4,000	830	4,100	850
Pleasants	1,700	50	1,700	-
Preston	22,500	3,000	21,000	2,900
Ritchie	9,000	80	7,000	60
Taylor	8,100	270	8,100	250
Tyler	5,000	470	5,600	450
Upshur	8,500	230	8,500	200
Wetzel	2,700	150	2,700	140
Wood	9,000	250	8,100	250
Other 1/	-	-	-	90
NORTHWEST	140,000	8,800	135,000	8,400
Boone	200	-	150	-
Braxton	9,000	80	8,300	70
Cabell	3,100	80	3,000	60
Calhoun	3,300	70	3,200	70
Clay	2,000	-	1,900	-
Fayette	6,000	230	5,500	230
Gilmer	6,500	100	6,700	80
Jackson	12,500	300	11,500	280
Kanawha	2,500	50	2,700	-
Lincoln	4,000	140	4,000	130
Logan	500	90	500	80
McDowell	50	-	50	-
Mason	20,000	3,700	18,500	3,500
Mercer	5,500	60	6,000	50
Mingo	150	-	200	-
Nicholas	7,000	250	6,700	240
Putnam	5,200	140	5,200	130
Raleigh	5,500	90	5,000	80
Roane	10,500	60	10,000	60
Wayne	3,500	200	3,200	190
Webster	1,500	80	1,200	60
Wirt	5,500	350	5,500	340
Wyoming	1,000	-	1,000	-
Other 1/	-	130	-	150
SOUTHWEST	115,000	6,200	110,000	5,800
Berkeley	22,000	2,400	16,000	2,000
Grant	15,000	300	15,000	270
Greenbrier	47,500	1,900	45,000	1,600
Hampshire	17,500	230	16,500	210
Hardy	25,500	680	25,000	630
Jefferson	20,000	4,800	18,500	4,600
Mineral	8,500	500	8,500	500
Monroe	26,000	2,150	28,000	2,000
Morgan	2,500	180	2,200	180
Pendleton	25,500	430	26,000	410
Pocahontas	18,000	200	19,000	200
Randolph	13,000	750	13,000	750
Summers	8,000	330	7,500	330
Tucker	6,000	150	4,800	120
EAST	255,000	15,000	245,000	13,800
STATE	510,000	30,000	490,000	28,000

1/ Counties with less than 50 head.

1988-89 Annual Report Summary
West Virginia Department of Agriculture

The West Virginia Department of Agriculture Fiscal Year 1988-89 covers part of the first year of a new administration under Commissioner Cleve Benedict. In seeking to centralize responsibility in executive positions, to improve personnel management, to shift costs where possible to the federal government and the private sector and to improve the reporting of fiscal and information management functions, the Commissioner undertook modifications in the Department's organization.

The Department is now organized into the following divisions with the named responsibilities:

Administration — comprised of the Executive, Administrative Services including Fiscal Management Office, and Printing and Information.

Animal Health — enforces West Virginia laws regarding the health of livestock.

Marketing and Development — operates the West Virginia Farmers Markets, seeks new customers for West Virginia agricultural products, provides support for new West Virginia agricultural industries.

Consumer Protection and Regulatory Programs — organized through the divisions Meat Inspection, Pesticide Programs, and Compliance — enforces laws for feed, seed, fertilizer and agricultural liming materials and safeguards consumer confidence in West Virginia agricultural products.

Plant Industries — administers plant protection and pest control programs, nursery stock regulation program.

Soil Conservation Committee — works to protect the primary resource of agriculture, the soil, through watershed flood control and studies of nonpoint source pollution.

Statistical Analysis — provides an accurate accounting of the agricultural products of West Virginia to serve as a basis for economic forecasting and planning for growth.

As of June 30, 1989 the Department of Agriculture had 293 employees plus 50 part-time employees and 112 soil supervisors. The Department had a budget of $11,430,327, which amounted to 4.9 percent reduction from the previous fiscal year. The Department collected a total of $463,079 in fees.

A summary of activities by division follows.

Animal Health Division

The zone between diseases in man and animals is widening with the passing of each year. West Virginia's recognition as being free of the diseases, such as, bovine tuberculosis, bovine brucellosis, *Mycoplasma Gallisepticum* and *Pullorum-Typhoid* in turkeys, was only an outstanding beginning. The State has since been recognized as a USDA *Pullorum-Typhoid* Clean State. Telephone conversations reveal that West Virginia is now recognized as being swine brucellosis validated free. We await only written verification. The next fiscal year should include our recognition for a favored status in pseudorabies eradication and control.

Bovine Brucellosis: West Virginia remained bovine brucellosis free. (Class Free State).

During this period, there were 12,758 animals tested in the field showing the following results: 12,754 negative; 4 suspects; 0 reactors.

Cattle bled at the stockyards during this period were 39,154 with seven reactors; 9,935 samples were received from the slaughterhouses with eight reactors.

There were no herds quarantined as a result of brucellosis infection being disclosed in the field. The number of official calfhood vaccinations for this period was 6,855.

Bovine Turberculosis: West Virginia has been designated as an accredited tuberculosis free area.

During this period, 1988-1989, there were 7,930 animals tested and one reactor was found.

Swine Brucellosis and Pseudorabies: During this period, there were 273 herds that qualified as validated Brucellosis - Free herds; and 273 were designated as Pseudorabies Monitored herds.

At the livestock auction markets, there were 13,781 swine inspected and found to be free of diseases.

Communications

The Market Bulletin continues as the most popular publication of the West Virginia Department of Agriculture (WVDA). At the end of this fiscal year, there were 60,330 names on the mailing list. A total of 4,877 individual advertisements were received for publication in *The Market Bulletin.*

During the fiscal year, 617 requests for printing were received.

Publications included the Choose and Cut Christmas Tree Directory; West Virginia in Flames; Directory of Licensed Auctioneers and Apprentice Auctioneers; 1988 West Virginia Agricultural Statistics Book; Directory of Licensed Livestock Auction Markets, Weighmen, Graders and Dealers; Fairs and Festivals; and Guidelines for Controlling Soil Erosion and Water Pollution on Logging Operations in West Virginia.

Some 96,822 pieces of literature were mailed out, as well as, *Animal Health Update, West Virginia Forest Products Bulletin, and Ornamental and Forest Pest Newsletter.*

Marketing and Development Division

During the past year, 46,000 head of feeder calves and yearling cattle were graded using USDA grading standards, including 7,150 head of cattle graded and marketed during the Board/Tele-auction type sale. Some 44,500 head of feeder and slaughter lambs and 1,750 feeder pigs were graded using West Virginia grade standards. The use of these grade standards continues to be accepted by both producers and buyers of West Virginia livestock. The marketing of graded livestock enhances the reputation of West Virginia cattle, pigs, and lambs, and makes them easier to market and stimulates higher prices based on the reputation of West Virginia livestock.

The livestock staff also continued the improvement of the Board Sales for West Virginia feeder cattle. Nearly twice as many cattle were marketed this year through the Board Sales concept. Cattle sold through Board Sales averaged $2 - $7 per hundredweight higher in price.

The production of livestock is the largest agricultural industry in West Virginia, accounting for more than $100 million in cash sales annually. Livestock for market are produced in all of West Virginia's 55 counties. In addition to the cash sales of livestock, over 90 percent of the feed crop produced in West Virginia are used to support livestock and dairy operations.

There are currently approximately 40 West Virginia producers using the West Virginia Grown logo on their products. This logo was designed to bring recognition to West Virginia's high quality agricultural products.

During this year, a major effort was made in helping establish Cheeses of Monroe, which opened in August 1989. The Department of Agriculture promulgated regulations to assist Cheeses of Monroe in obtaining manufacturing grade milk.

A list has been compiled of over 700 businesses involved in agricultural enterprises. This list has been computerized to identify producers and products so that they may be matched with buyer inquiries.

In responding to a request from the tree fruit industry, public hearings and a referendum were held to establish a state assessment program on West Virginia tree fruits, directed by the Tree Fruit Assessment Board. The funds generated through this assessment will be used for promotion and research to benefit West Virginia's tree fruit industry.

The licensing programs were moved to the Marketing and Development Division in June 1989, from the Regulatory Division.

The livestock section continued to provide accurate and updated information concerning market news prices on all classes of livestock including feeder cattle, slaughter cows, feeder and slaughter lambs, and feeder pigs. The Livestock Specialists collect the market news daily and provide this information to the market news office in Charleston. In addition to this activity, market news was collected and disseminated on livestock sold in approximtely 65 special feeder cattle and lamb sales. Approximately 100,000 head of feeder cattle, lambs, slaughter cattle, and pigs were reported this year.

The sheep industry in West Virginia includes some 82,000 head of sheep with an inventory value of over $6.6 million.

Feeder pig sales have grown to a point where more than 1,750 head of feeder pigs were graded using West Virginia Feeder Pig Standards.

Approximately 550 farm visits were made to West Virginia producers by Livestock Specialists concerning topics such as marketing programs and alternatives for their livestock performance testing, special performance tested sales, current market conditions, production methods, and the promotion of high-tinsel fencing. The primary emphasis on each visit is to assist the farmer with suggestions and available technology to market a desirable product that feedlot operators and potential buyers of the livestock would be interested in purchasing.

There are approximately 450 dairy farms in the state with 27,000 lactating cows which produce more than 300 million pounds of milk annually, with a value of $37 million. In addition, $3.5 million worth of cull cows and $2.5 million worth of bull calves are sold each year, making the average input from dairy farms to West Virginia agriculture at least $43 million. After adding the various support industries involved in dairy production, the total value of the dairy industry to West Virginia's economy is nearly $70 million.

The Marketing Specialist—Dairy made approximately 100 direct farm visits during this year. In 18 to 20 cases, Department of Agriculture veterinarians were asked to assist in diagnostic work or mastitis problems. It is estimated that 10 percent of total milk production is lost each year nationwide because of mastitis. This means that West Virginia dairymen lost 30 million pounds of milk each year, worth $3.8 million, because of mastitis.

The Marketing Specialist—Dairy worked to organize Artificial Insemination (AI) training schools in cooperation with county extension agents, Sire Power, Inc. and Manco Genetics. This year, about 30 beef and dairy producers attended AI schools in West Virginia.

The Marketing Specialist—Poultry visited more than 25 farms throughout the year.

Two meetings for poultry producers were held. The topic of the first meeting was "Heat Exchangers for the Poultry Houses," with approximately 35 producers attending. The topic of the second meeting was the summer ventilation and cooling of poultry houses and more than 40 producers and interested people attended.

Meat Inspection Division

During the Fiscal Year 1988-1989, 40 commercial slaughter and/or processing plants were licensed and inspected.

The number of establishments licensed as custom slaughter houses reached 54 at the peak of the season.

The Meat Inspection Division reviewed and approved blueprints and specifications for five new establishments or major additions to existing plants.

Field personnel conducted 4,520 documented inspections in commercial establishments.

Altogether 4,227 items, pieces of equipment, rooms and departments were rejected. Unapproved substances or improperly marked additives were retained pending clarification of their acceptability. No plant was totally rejected due to serious sanitary deficiencies or conditions hazardous to public health.

Meat Inspection Division personnel examined before slaughter and inspected postmortem 21,512 animals (10,494 cattle; 10,783 swine; 219 sheep and 16 goats). Out of 21,512 animals inspected, 201 were retained for detailed veterinary inspection and 43 were condemned due to various conditions or diseases transmissible to humans.

Limited and localized pathological conditions revealed during postmortem inspection of carcasses resulted in condemnation of 1,965 parts of animal carcasses (630 beef; 1,306 swine; and 29 other species).

Parasitological lesions, degenerations and encapsulated abscesses were the most common causes for condemnation of 6,642 livers (3,063 beef livers; 3,541 swine livers; and 38 goat and sheep livers).

The Meat Inspection Division inspectors supervised the processing of 12,503,959 pounds of different meat products. Out of this, 47,385 pounds of processed products were condemned and destroyed upon reinspection.

In order to monitor the health and trade quality of finished products, 825 samples of meat products were taken and 2,268 tests were run to determine the amount of fat, protein, moisture, salt, phosphates, nitrates, etc. Only 26 tests (1.15 percent) revealed a violation of national standards. This indicates further improvement in health and trade quality of state-inspected meat products. During the prior fiscal year (1987-1988), 1.8 percent of all tests were violative. Thus, the drop in non-compliance products is substantial. None of the 26 violative results could have had any negative impact on public health. Most of the out-of-compliance samples had excessive amounts of water or fat.

Meat compliance officers conduct two types of reviews—planned and random. Planned reviews are scheduled for businesses that have violated the inspection laws in the past or that are suspected of violations or vulnerable to deviations due to the type of business conducted. During the past fiscal year, the Meat Compliance Officer conducted 17 planned compliance reviews, 843 random reviews, and investigated nine consumer complaints. Eighteen letters of warning were issued to non-complying companies or businesses. Detentions amounted to 1,920 pounds. Out of this poundage, 1,720 pounds were voluntarily destroyed and 200 pounds were released.

The Code of West Virginia requires that all meat distributors are licensed by the Commissioner of Agriculture. This provision of the law was not fully enforced in the past several years and the number of licensed meat distributors never exceeded 12. In the last quarter of Fiscal Year 1988-1989, the Meat Compliance Officer was directed to review warehouses and similar facilities to determine which establishments actually stored, handled and distributed meat products. As a result of the special assignment, over 100 meat distributors were licensed as of the last day of the fiscal year. These establishments, not subject to regular meat inspection, will be monitored by the Division's Meat Compliance Officer to determine compliance with the law.

In May 1988, the USDA accredited the West Virginia Department of Agriculture Meat Inspection Program due to its perfect record of continuous stringent enforcement of meat inspection regulations. The Secretary of Agriculture certified in his annual report to the US Congress that the Department's level and quality of inspection do not require further frequent reviews by federal authorities.

Pesticide Use and Application Program

In Fiscal Year 1989, staff administered 1,769 certification examinations to 786 persons. Licenses were processed for 206 businesses to apply pesticides for hire and 124 dealers to sell restricted use pesticides. Certifications were processed for 1,275 commercial and certified public applicators and 2,387 private applicators. During the year, certification records were maintained for a total of 5,230 private applicators or farmers certified to purchase and apply restricted use pesticides.

A total of 305 inspections and 201 samples were taken in the course of performing enforcement related work. The various activities included the inspection of pesticide producing establishments, the inspection of agricultural and non-agricultural spray operations (including right-of-way applications, termite and household pest control treatments, lawn care activities, public health pest control, fumigations, and farming operations), the monitoring of experimental use permits dealers and applicator record checks and the investigation of complaints.

Enforcement actions taken as a result of inspection activities included seven letters of warning, 11 field notices of violations, and one stop sale order.

Registration activities resulted in 775 pesticide producing companies registering 6,741 products for sale or distribution in the state. In addition to these normal registrations, one FIFRA Section 18 Emergency Exemption request and two FIFRA 24C Special Local Needs requests were processed by staff.

Plant Industries Division

Apiary Program: During Fiscal Year 1988-1989, 901 beekeepers registered 1,097 apiaries consisting of 6,881 colonies of honey bees. Some 64 hives in 23 apiaries were diagnosed and confirmed infected with American foulbrood disease. Each affected apiary was quarantined and the infected hives were depopulated and sterilized by ethylene oxide (ETO) fumigation. The occurrence of other non-contagious diseases remained insignificant.

Three new infestations of honeybee tracheal mite were identified in the Eastern Panhandle and southern portions of the state. One colony was depopulated and the remaining apiaries were quarantined.

A cooperative survey for the Varroa mite between USDA-APHIS and WVDA resulted in 212 Varroa mite traps being placed in 114 apiaries in 25 counties. At the conclusion of the survey, no mites were identified. Since no mites have been detected since surveying first began in late 1987, West Virginia still retains a mite-free status.

The survey entomologist coordinated the rose rosette disease multi-state project and cooperative project with West Virginia University. He discovered rose rosette in Mason and Putnam Counties in April 1989 and has since confirmed the presence of the disease in 10 counties. He also coordinated surveys for alfalfa weevil parasites, C-7 lady beetles, and natural enemies of noxious thistles.

The survey entomologist spent considerable effort working on public health related entomological problems, including identification of ticks associated with Lyme disease and trapping mosquitoes in used tire dumps.

Stem Rust of Wheat: Barberry eradication and control maintenance reexamination work was conducted in vital small grain producing areas of southeastern West Virginia, an area of native barberry growth. This was done to prevent heavy barberry infestations from reoccurring in areas presently protected from severe stem rust infection to small grain crops. While performing eradication and survey work, a total of 9,300 barberries was destroyed on 22 square miles (14,080 acres) in the control areas of Monroe, Greenbrier and Summers Counties.

The gypsy moth suppression project was completed in May and June with the treating of 74,766 acres in Jefferson, Berkeley, Morgan, Hampshire, Mineral, Hardy, Grant and Preston Counties. The cost of the spray material and the aerial contract was $4.78 per acre. The Cooperative State-County-Landowner Gypsy Moth Suppression Program, which was initiated (due to lack of state funds) to allow landowners to participate in the State's treatment program, contributed the bulk of the acreage to the project. This program accounted for 51,039 acres of the total treatment area. The remaining 23,727 acres were treated in the AIPM Project area with 100 percent federal funds.

Nursery Inspection and Registration: There were 173 nurseries and 393 nursery dealers registered to sell nursery stock in the state this year. Inspections were conducted at 207 nurseries and nursery dealer establishments, which resulted in approximately one acre of field grown nursery stock and 737 individual pieces of nursery stock being placed under stop sale orders, because of injurious insects and plant diseases.

Regulatory Programs

Inspections and sampling of food commodities for pesticide residues were begun the summer of 1988 and continue. The first year raw milk, shell eggs and apples were sampled. The program continues at the end of this fiscal year with the sampling of locally-produced fruits and vegetables. No commodities with violative residues were found during the year.

Some 849 inspections of eggs were made and 3,819 lots of eggs were candled and weighed to determine their grade and weight class. Some 1.2 percent of these lots were violative under the law. The number of egg violations was 1.4 percent less than the previous year. Some 118 Certificates of Authorization to Distribute Eggs were issued during this year.

During this year, 1,379 milk and milk product inspections were performed and 4,203 samples were collected. Laboratory analysis showed that 26.8 percent of these samples were violative. The primary violations occurred in the soft serve industry. Four embargoes were issued for dairy products. Some 831 permits and licenses were issued under this program last year.

Due to the large number of violations and the potential for illness associated with the dairy industry, the enforcement policies for this program have been reviewed in detail. The law gives the Commissioner of Agriculture the authority to revoke Dairy Products Permits. By the close of this fiscal year, three hearings had been held to discuss the revocation of the Dairy Products Permits for counter freezer firms. Two permit revocation orders were given.

Some 265 commercial feed inspections were performed and 1,180 samples were collected under this program. Some 4.7 percent of these samples were found to be violative. The violative rate was 1.8 percent less than the previous year. The program registered 561 feeds in packages of 10 pounds or less and added 666 feeds to the permanent registration files for feed in packages larger than 10 pounds. Inspection fees collected under this program amounted to $98,005.

Analyses for protein, fat, fiber, urea, phosphorus, moisture and ash were performed on 994 official regulatory feed samples. Analyses for nitrogen, phosphorus and potassium were performed on 388 official regulatory fertilizer samples. Analyses for calcium carbonate equivalent, calcium, magnesium and screen tests were performed on 34 official lime samples. From the total of 1,416 official samples analyzed, 129 or approximately 9.1 percent were found to be in violation of label guarantees.

The Dairy Laboratory analyzed samples of ice cream and ice milk for total bacteria and coliform bacteria to determine if they were produced and sold under sanitary conditions. Dairy products, such as milk and ice cream, were analyzed for butterfat content to assure that values found were within regulatory limits.

Analyses for coliform bacteria and total bacteria count were performed on 4,031 official regulatory ice cream ice milk samples. This figure represented an increase of 11 percent over the previous fiscal year. Analyses for butterfat were performed on 156 retail ice cream and 152 retail milk samples, a decrease of about 8 percent.

Analyses for salmonella bacteria and total bacteria were performed on 155 canned and frozen samples. This group included luncheon samples collected from preparation sites used for statewide summer playground programs. This laboratory assisted the Agricultural Materials Laboratory by analyzing 82 official pet food samples.

The Food and Dairy Laboratory found 987 violations of approximately 4,031 official samples or a violation rate of 25 percent, the same rate as for Fiscal Year 88.

The Meat Laboratory, which is accredited by the USDA-FSIS, analyzed samples of ground beef, sausage, wieners, bologna, ham and other processed meats. These official samples were analyzed for fat content, water, protein, preservatives, binders, nitrates, salt and other substances. These determinations were made to ensure that the meat products conformed to regulatory specifications.

The Pesticide Formulations Laboratory analyzed 455 official regulatory samples for EPA-West Virginia, EPA-Pennsylvania and the Division regulatory staff.

The Pesticide Residue Laboratory analyzed 548 samples for residue levels and participated in Southern States and USDA-FSIS check sample program.

State Soil Conservation Committee

During the 1989 legislative session, the West Virginia State Soil Conservation Committee, working with the Governor's Office and the Legislative leadership, obtained $1 million in state appropriations to retain more than $30 million in Federal PL 566 funds for flood control projects in West Virginia.

Flood Control Projects Completed in 1989: Pocatalico Dam No. 28, Jackson County; Soak Creek Channel, Raleigh County; Osage Channel, Monongalia County.

Flood Control Projects Under Construction in 1989: Upper Buffalo Dam No. 37, Marion County; Upper Mud Dam, Lincoln County (Phase I); Mill Creek Dam No. 9, Jackson County.

Flood Control Projects Implemented 1989: Evitts Run Channel, Jefferson County; Howard Creek Dam, Greenbrier County; Upper Buffalo Dam No. 33, Marion County; Mill Creek Dam No. 10, Jackson County; Lost River Dam, Hardy County; Upper Mud Dam, Lincoln County.

Flood Control Projects, Planned Start 1990: Wheeling Creek Dam, Ohio County; Cranberry Channel, Raleigh County; Milton Channel, Cabell County; Montrose Channel, Randolph County; North and South Mill Creek, Mineral County.

Soil Surveys: Thirty three of the state's 55 counties have had their soil surveys completed and published, while nine have mapping completed, seven have surveys in progress and six have yet to begin. These surveys provide valuable information to the State's land-planning program. They contain predictions of soil behavior in selected land uses, and they highlight limitations and hazards inherent to the soil.

Water Quality: In West Virginia the Non-Point Source Water Quality Management Program has been developed through significant cooperation between the West Virginia Department of Natural Resources and the West Virginia State Soil Conservation Committee. The State Soil Conservation Committee and its 14 Soil Conservation Districts with the assistance of the Soil Conservation Service form the management and implementation agency for the agriculture and construction components of the Non-Point Source Water Quality Program. Together they are responsible for assessing, developing and managing these portions of the statewide NPS Water Quality Program.